



THE BULLETIN OF
Saint Joseph's
College

COLLEGEVILLE, INDIANA

1957 - 1958

Catalogue Number



Saint Joseph's College

Collegeville, Indiana

A Small College
For Men



Founded
1889



Conducted by
the Fathers of
the Society of the Precious Blood



Granting
B.A. and B.S. degrees



SIXTY-SEVENTH
ANNUAL CATALOGUE
WITH
ANNOUNCEMENTS FOR

1957 - 1958

EXTENSION CENTER AND SUMMER SESSIONS

In addition to courses on campus, the College operates an Extension Center at Hammond, Indiana, known as the Saint Joseph's College CALUMET CENTER. Opened in 1951, the CALUMET CENTER offers courses for credit and in adult education. For further information, write to the Office of the Director, 4708 Indianapolis Blvd., East Chicago, Indiana.

A six-week SUMMER SESSION is offered on campus and at the CALUMET CENTER; an eight-week SUMMER SESSION in Field Geology is offered at Silver City, New Mexico. For further information, write to the Director of the Summer Session, Saint Joseph's College, Collegeville, Indiana.

ACCREDITATION

Saint Joseph's College is a member of or is accredited by the following associations and standardizing agencies:

Adult Education Association

American Council on Education

Association of American Colleges

Association of University Evening Colleges

Commission on Christian Higher Education of the Association of American Colleges

Indiana Association of Church Related and Independent Colleges

Indiana Conference of Higher Education

National Catholic Education Association

North Central Association of Colleges and Secondary Schools

State of Indiana Department of Public Instruction for the training of elementary and high school teachers.

Approved by the American Medical Association for pre-medical training.

CONTENTS

2	GENERAL INFORMATION
2	Extension Center & Summer Sessions
2	Accreditation
4	College Calendar
7	Board of Control & Faculty
14	Associates in Teacher Education
15	PURPOSE AND AIMS
17	COLLEGE HISTORY AND CAMPUS
17	Historical Sketch
18	Campus and Buildings
22	STUDENT PERSONNEL SERVICES
22	Student Guidance
26	Organization & Activities
28	Supervision of Student Life
30	EXPENSES AND FEES
33	STUDENT AID, SCHOLARSHIPS, EMPLOYMENT
37	ACADEMIC POLICIES AND PROCEDURES
48	GRADUATION REQUIREMENTS
53	DIVISIONS AND DEPARTMENTS OF INSTRUCTION
54	Table of Majors, Minors and Degrees Offered
55	Division of Religion and Philosophy
63	Division of Humanities (English; Classical Languages; Journalism; Modern Languages; Music; Speech)
77	Division of Natural Sciences (Biology; Chem- istry; Engineering; Geology; Mathematics; Physics)
109	Division of Social Sciences (Accounting; Bus- iness Administration; Economics; History; Politics; Sociology)
133	Division of Education (Elementary; Secondary; Physical)
147	APPENDICES
147	Appendix I. Degrees, Honors and Awards: June 3, 1956 and January 27, 1957
151	Appendix II. Register of Students, 1956-1957
168	Appendix III. Alumni; Gifts & Bequests
169	INDEX
171	DIRECTORY

CALENDAR for 1957

JANUARY								FEBRUARY								MARCH								APRIL							
S	M	T	W	T	F	S		S	M	T	W	T	F	S		S	M	T	W	T	F	S		S	M	T	W	T	F	S	
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13	14	15	16	17	18	19		10	11	12	13	14	15	16		10	11	12	13	14	15	16		14	15	16	17	18	19	20	
20	21	22	23	24	25	26		17	18	19	20	21	22	23		17	18	19	20	21	22	23		21	22	23	24	25	26	27	
27	28	29	30	31				24	25	26	27	28				24	25	26	27	28	29	30		28	29	30					
																31															
MAY								JUNE								JULY								AUGUST							
S	M	T	W	T	F	S		S	M	T	W	T	F	S		S	M	T	W	T	F	S		S	M	T	W	T	F	S	
				1	2	3	4							1			1	2	3	4	5	6						1	2	3	
5	6	7	8	9	10	11		2	3	4	5	6	7	8		7	8	9	10	11	12	13		4	5	6	7	8	9	10	
12	13	14	15	16	17	18		9	10	11	12	13	14	15		14	15	16	17	18	19	20		11	12	13	14	15	16	17	
19	20	21	22	23	24	25		16	17	18	19	20	21	22		21	22	23	24	25	26	27		18	19	20	21	22	23	24	
26	27	28	29	30	31			23	24	25	26	27	28	29		28	29	30	31						25	26	27	28	29	30	31
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SEPTEMBER								OCTOBER								NOVEMBER								DECEMBER							
S	M	T	W	T	F	S		S	M	T	W	T	F	S		S	M	T	W	T	F	S		S	M	T	W	T	F	S	
1	2	3	4	5	6	7				1	2	3	4	5							1	2		1	2	3	4	5	6	7	
8	9	10	11	12	13	14		6	7	8	9	10	11	12		3	4	5	6	7	8	9		8	9	10	11	12	13	14	
15	16	17	18	19	20	21		13	14	15	16	17	18	19		10	11	12	13	14	15	16		15	16	17	18	19	20	21	
22	23	24	25	26	27	28		20	21	22	23	24	25	26		17	18	19	20	21	22	23		22	23	24	25	26	27	28	
29	30							27	28	29	30	31				24	25	26	27	28	29	30		29	30	31					

CALENDAR for 1958

[illegible]

COLLEGE CALENDAR 1957-1958

First Semester

September 8-11	Sunday-Wednesday, Induction and Orientation of new students.
September 12	Thursday, Registration for returning students; obligatory attendance at evening High Mass, 8:00 p.m. Official Opening of the School Year.
September 13	Friday, Classes begin at 8:00 a.m.
September 21	Saturday, limit for changes in class schedule.
October 26	Saturday, no classes. Homecoming.
November 1	Friday, Feast of All Saints, No classes.
November 9	Saturday, Mid-semester grade reports.
November 16	Saturday, limit for permission to discontinue a course without index penalty for failure.
November 20	Wednesday, Thanksgiving recess begins at noon.
November 25	Monday, classes resume at 8:00 a.m.
December 6	Friday, Annual retreat begins at 8:00 p.m.
December 8	Sunday, Retreat closes.
December 19	Thursday, Christmas recess begins after last class or laboratory.
January 6	Monday, classes resume at 8:00 a.m.
January 8-9	Wednesday-Thursday, Comprehensive Examinations.
January 24	Friday, closed freeday for Examination Study.
January 25-30	Saturday-Thursday, Semester examinations.
February 2	Sunday, Graduation date.

Second Semester

February 4	Tuesday, Registration for Second Semester.
February 5	Wednesday, Classes begin at 8:00 a.m. Official Opening of Second Semester.
February 12	Wednesday, Limit for changes in class schedule.
February 21-23	Friday-Sunday, 40 hours devotion; closed week-end.
March 7	Friday, Feast of St. Thomas Aquinas, Patron of Schools; obligatory attendance at evening High Mass, 8:00 p.m.
March 15-17	Free week-end from Saturday noon to 8:00 a.m. Tuesday.
March 29	Saturday, Mid-semester grade reports.
April 2	Wednesday, Easter recess begins at 1:00 p.m.
April 9	Wednesday, classes resumed at 1:00 p.m.
April 14	Monday, limit for permission to discontinue a course without index penalty for failure.
April 21-22	Monday-Tuesday, Comprehensive Examinations.
April 28-29	Monday-Tuesday, Graduate Record Examinations.
May 1	Thursday, Feast of Saint Joseph, Patron of the College; closed freeday.
May 4	Parents Day; Conferral of Honors and Awards.
May 30	Friday, closed freeday for Examination Study.
May 31-June 5	Saturday-Thursday, Semester Examinations.
June 8	Sunday, Baccalaureate Exercises.

Summer Session, 1958

June 23-August 2

August 3 Graduation date.

BOARD OF CONTROL

Very Reverend Seraphin W. Oberhauser, C.PP.S.,* President
Very Reverend Raphael H. Gross, C.PP.S.
Very Reverend Herbert L. Linenberger, C.PP.S.
Reverend Francis A. Hehn, C.PP.S., Treasurer
Reverend Harold V. Diller, C.PP.S., Secretary
Reverend John E. Byrne, C.PP.S.
Reverend Edmund J. Ryan, C.PP.S.

BOARD OF LAY TRUSTEES

The Board of Lay Trustees was organized on December 8, 1950. Composed of alumni and non-alumni members, it is charged with the responsibility of giving assistance and advice on matters pertaining to the administration of the College.

Officers of the Board

Robert A. Gallagher, Indianapolis, Indiana, Chairman
Rev. John M. Lefko, C.PP.S., Secretary

Members Ex-Officio

Very Reverend Raphael H. Gross, C.PP.S., President of the College
Reverend Edward A. Maziarz, C.PP.S., Dean of the College
Reverend John M. Lefko, C.PP.S., Treasurer of the College

Alumni Members

William A. Hanley, '08, Indianapolis, Indiana
Justin H. Oppenheim, '19, Coldwater, Ohio
Paul F. Schumacher, '24, Mishawaka, Indiana

Members at Large

Joseph H. Broderick, Muncie, Indiana
Robert A. Gallagher, Indianapolis, Indiana
Clarence A. Gramelspacher, Jasper, Indiana
George S. Halas, Chicago, Illinois
Charles A. Halleck, Rensselaer, Indiana
Arthur Hellyer, Chicago, Illinois
Morris E. Jacobs, Omaha, Nebraska
Thomas A. Lewis, Chicago, Illinois
James B. McCahey, Sr., Chicago, Illinois
Frank M. McHale, Indianapolis, Indiana
Richard A. O'Connor, Fort Wayne, Indiana
John J. O'Laughlin, Oak Park, Illinois
Garland L. Rathel, Kokomo, Indiana

* C.PP.S. These letters are the abbreviations of **Congregatio Pretiosissimi Sanguinis**, the official name of the Society of the Precious Blood. All the priests and brothers at Saint Joseph's are members of this religious community.

A D M I N I S T R A T I O N

Very Reverend Raphael H. Gross, C.PP.S., A.M., Ph.D., President
 Reverend Edward A. Maziarz, C.PP.S., M.A., M.S., Ph.D., Dean
 Reverend John M. Lefko, C.PP.S., Treasurer
 Reverend Rufus H. Esser, C.PP.S., M.A., Secretary
 Reverend Joseph A. Smolar, C.PP.S., M.S., M.A., Coordinator of Student Affairs
 Reverend Charles H. Banet, C.PP.S., A.M.L.S., Librarian
 Reverend Daniel E. Schaefer, C.PP.S., Dean of Men
 Reverend Charles J. Robbins, C.PP.S., M.A., Registrar
 Reverend Leonard J. Kostka, C.PP.S., J.C.L., Chaplain
 Reverend Richard P. Baird, C.PP.S., Admissions Counsellor
 Reverend Paul J. Wellman, C.PP.S., M.A., Supt. of Buildings and Grounds
 Reverend Ernest A. Lucas, C.PP.S., M.A., Director of Reading Clinic
 Reverend John M. Lefko, C.PP.S., Director of the Saint Joseph's College Foundation
 Reverend James I. Birkley, C.PP.S., M.A., Director of Extension Center
 Reverend Edward A. Maziarz, C.PP.S., M.A., M.S., Ph.D., Director of Summer Session
 Reverend Donald F. Shea, C.PP.S., Ph.D., Director of Athletics
 Reverend Gerard A. Lutkemeier, C.PP.S., B.S., in L.S., Assistant Librarian
 Reverend Bernard J. Meiring, C.PP.S., M.A., Director of Guidance
 Mr. Hugh C. McAvoy, B.A., Alumni Field Secretary
 Cecil E. Johnson, M.D., College Physician
 Miss Nell Harris, R.N., Director of Health Service
 Miss Helen Skinner, M.S., Dietician

FACULTY

Very Reverend Raphael H. Gross, C.PP.S., A.M., Ph.D., President
 1941* — Professor of English. A. M., University of Michigan, 1941; Ph.D., University of Montreal, 1952. Appointed President, 1951.
 Reverend Donald L. Ballman, C.PP.S., M.S.**
 1956 — Instructor in Geology. M.S., University of Illinois, 1956.
 Reverend Charles H. Banet, C.PP.S., A.M.L.S., Librarian
 1952 — A.M.L.S., University of Michigan, 1951; *ibid.*, 1951-1952.
 Jay Barton II, A.M., Ph.D.
 1955 — Associate Professor of Biology. A.M., University of Missouri, 1948; Ph.D., *ibid.*, 1951.
 Reverend James I. Birkley, C.PP.S., M.A., Director of Extension Center
 1946 — Assistant Professor of English. Ohio State University, 1946-1947; M.A., University of Notre Dame, 1951.
 Ralph M. Cappuccilli, A.M., Ph.D. (Cand.)
 1948 — Associate Professor of Speech and Dramatics. A.M., University of Michigan, 1951; Ph.D. (Cand.), Purdue University.

* The first date indicates the year of appointment to Saint Joseph's.

** Absent on leave for graduate study.

Reverend Raymond M. Cera, C.PP.S., M.A.

1948 — Assistant Professor of Spanish. M.A., Saint John's University, Brooklyn, 1951.

Emily Chen, M.B.A., Ph.D.

1956 — Assistant Professor of Accounting. M.B.A., University of Michigan, 1949; Ph.D., *ibid.*, 1956.

Hugh P. Cowdin, M.A. (Cand.)

1956 — Instructor in Journalism. M.A., (Cand.) Marquette University.

Michael E. Davis, M.S.

1952 — Assistant Professor of Geology. M.S., Kansas State College, 1951.

Reverend Cletus F. Dirksen, C.PP.S., M.A., Ph.D.

1941 — Associate Professor of Politics. M.A., Catholic University of America, 1941; Saint John's University, Brooklyn, Summer, 1942; Ph.D., University of Notre Dame, 1947.

Reverend Boniface R. Dreiling, C.PP.S., M.S.

1940 — Associate Professor of Physics. M.S., Catholic University of America, 1940; University of Chicago, 1943-1946.

Reverend Marcellus M. Dreiling, C.PP.S., M.S.

1939 — Associate Professor of Mathematics. M.S., Catholic University of America, 1939.

Reverend Alvin W. Druhman, C.PP.S., M.A., Ph.D.

1948 — Assistant Professor of English. M.A., Saint John's University, Brooklyn, 1950; Ph.D., *ibid.*, 1952.

Reverend William L. Eilerman, C.PP.S., B.S., M.S.

1954 — Instructor in Accounting. B.S., Saint Louis University, 1954; M.S. *ibid.*, 1957.

Reverend Gilbert F. Esser, C.PP.S., M.A.

1930 — Professor of Latin. M.A., Catholic University of America, 1930; Columbia University, Summer, 1938.

Reverend Rufus H. Esser, C.PP.S., M.A., Secretary.

1925 — Professor of English, Chairman of the Division of Humanities. M.A., Catholic University of America, 1927; Indiana University, Summers, 1930, 1931.

James T. Farrell, M.A., Ph.D. (Cand.)

1956 — Assistant Professor of English. M.A., Marquette University, 1950; Ph.D. (Cand.), Indiana University.

Reverend Frederick L. Fehrenbacher, C.PP.S., M.A.

1928 — Professor of History. University of Notre Dame, Summers, 1928, 1929; University of Illinois, Summer, 1930; M.A., Catholic University, Summer, 1932.

Reverend Aloys H. Feldhaus, C.PP.S., J.C.L., J.C.D.

1954 — Professor of Religion. J.C.L., Catholic University of America, 1926; J.C.D., *ibid.*, 1927.

Louis C. Gatto, M.A., Ph.D., (Cand.)

1956 — Assistant Professor of English. University of Minnesota, 1950-1951; DePaul University, 1953-1955; M.A., *ibid.*, 1956; Ph.D. (Cand.), Loyola University.

Reverend Dominic B. Gerlach, C.PP.S., M.A.

1952 — Instructor in History. M.A., Saint Louis University, 1952; University of Michigan, Summer, 1956.

Reverend Norman L. Heckman, C.PP.S., A.M.

1940 — Associate Professor of Chemistry. University of Wisconsin, 1943-1944; A.M., Indiana University, 1947.

Reverend Francis A. Hehn, C.PP.S., M.A., C.P.A.**

1933 — Professor of Accounting. M.A., Catholic University of America, 1932; Western Reserve University, Summer, 1933; Gregg College, Chicago, Summer, 1935; C.P.A., State of Indiana, 1944.

Reverend Lawrence F. Heiman, C.PP.S., M.A.

1943 — Associate Professor of Speech and Music. M.A., Catholic University of America, 1949; Marquette University, Summer, 1950.

Sister Mary Anthonita Hess, C.PP.S., M.A., Ph.D.

1956 — Assistant Professor of History. M.A., Catholic University of America, 1942; Ph.D., *ibid.*, 1949.

Reverend Joseph A. Hiller, C.PP.S., M.A., Ph.D.

1933 — Professor of German. M.A., Catholic University of America, 1932; University of Cincinnati, 1935-1937; Ph.D., Catholic University of America, 1940.

Reverend James W. Hinton, C.PP.S., M.A.

1952 — Assistant Professor of English. M.A., University of Notre Dame, 1951; Marquette University, Summers, 1952-1955.

Peter F. Holub, M.A., Ph.D. (Cand.)

1956 — Assistant Professor of English. M.A., University of Pittsburgh, 1948; Columbia University, Summers, 1950-1952; Ph.D. (Cand.) Cornell University.

Robert T. Jauron, M.S. (Cand.)

1954 — Bradley University, Summers, 1950-1952; (Cand.), M.S., Purdue University.

Bryce J. Jones, M.S., Ph.D.

1955 — Associate Professor of Economics. M.S., Saint Louis University, 1951; Ph.D., *ibid.*, 1955.

Reverend Edwin G. Kaiser, C.PP.S., S.T.D.

1944 — Professor of Religion. S.T.D., Saint John Lateran, 1923; Gregorianum University, 1923-1924; Saint Louis University, Summer, 1947.

Paul E. Kelly, A.M.

1950 — Associate Professor of Business Administration. A.M., Colorado State College of Education, 1941.

Reverend Joseph B. Kenkel, C.PP.S., Ph.D.

1922 — Professor of Economics, Chairman of the Division of Social Sciences. Ph.D., Catholic University of America, 1922.

** Absent on leave

Reverend Cletus G. Kern, C.PP.S., M.A.

1940 — Associate Professor of Philosophy, Chairman of the Division of Religion and Philosophy. M.A., Catholic University of America, 1938.

Richard L. Kilmer, M.A., Ph.D. (Cand.)

1953 — Assistant Professor of History. M.A., University of Notre Dame, 1947; Ph.D. (Cand.), *ibid.*

Reverend John R. Klopke, C.PP.S., M.A.

1955 — Instructor in Philosophy. M.A., Fordham University, 1955.

Reverend Leonard J. Kostka, C.PP.S., J.C.L.

1948 — Associate Professor of Religion. J.C.L., Catholic University of America, 1942; Seton Hall University, Summer, 1948; Saint Louis University, Summer, 1954.

Reverend William Kramer, C.PP.S., L.Sc.N., Sc.D.

1953 — Assistant Professor of Chemistry. L.Sc.N., University of Fribourg, Switzerland, 1951; Sc.D., *ibid.*, 1952.

Robert J. Kreyche, Ph.D.

1956 — Assistant Professor of Philosophy. M.A., Catholic University of America, 1942; Ph.D., University of Ottawa, 1951.

Reverend Clarence J. Kroeckel, C.PP.S., M.S.

1933 — Professor of Biology, Chairman of the Division of Natural Sciences. M.S., Catholic University of America, 1933; University of Chicago, Summer, 1944; University of Notre Dame, 1945-1948.

Reverend Clement J. Kuhns, C.PP.S., M.A.

1948 — Assistant Professor of Classical Languages. M.A., Catholic University of America, 1952.

Reverend Robert F. Lechner, C.PP.S., Ph.D.

1946 — Assistant Professor of Philosophy. Ph.D., University of Fribourg, Switzerland, 1950.

Lloyd C. Lee, M.A., Ph.D. (Cand.)

1955 — Instructor in Education and Sociology. M.Ed., University of Georgia, 1949; Vanderbilt University, 1949-1950; Ph.D. (Cand.), Catholic University of America.

Reverend George J. Lubeley, C.PP.S., S.T.L., S.T.D. (Cand.)

1954 — Assistant Professor of Religion. S.T.L., University of Fribourg, Switzerland, 1947; S.T.D. (Cand.), University of Ottawa.

Reverend Ernest A. Lucas, C.PP.S., M.A.

1953 — Assistant Professor of Education. M.A., University of Notre Dame, 1953.

Reverend Gerard A. Lutkemeier, C.PP.S., B.S. in L.S.

1937 — Assistant Librarian. B.S. in L.S., Catholic University of America, 1946.

Brother John A. Marling, C.PP.S., B.S.

1938 — Associate Professor of Mathematics. B.S., Saint Joseph's College, 1938; Catholic University of America, Summer, 1951.

Reverend Henry J. Martin, C.PP.S., M.S. in Ed., Ed.D.*

1940 — Associate Professor of Education. M.S. in Ed., Indiana University, 1945; Ed.D., *ibid.*, 1950.

Reverend Edward A. Maziarz, C.PP.S., M.A., M.S., Ph.D., Dean

1942 — Associate Professor of Philosophy. M.A., Catholic University of America, 1941; M.S., University of Michigan, 1945; University of Virginia, Summer, 1945; Laval University, Summer, 1947; Ph.D., University of Ottawa, 1949.

Reverend Bernard J. Meiring, C.PP.S., M.A.

1957 — Instructor in Education. M.A., University of Detroit, 1957.

Reverend Carl Nieset, C.PP.S., M.S.

1937 — Associate Professor of Geology. M.S., Catholic University of America, 1936; Purdue University, Summer, 1937; University of Texas, Summer, 1943.

Dale O'Connell, M.S. (Cand.)

1955 — Instructor in Physical Education. University of New Hampshire, 1947; *ibid.*, 1948-1951; M.S. (Cand.), Purdue University.

Reverend Aloysius F. O'Dell, C.PP.S., S.T.L.

1957 — Instructor in Religion. S.T.L., University of Montreal, 1957.

Reverend Joseph A. Otte, C.PP.S., M.B.A.

1942 — Associate Professor of Accounting. M.B.A., University of Michigan, 1942.

Thaddeus F. Pozniak, Ph.D.

1956 — Assistant Professor in Mathematics and Natural Science. Certificate, University of Cracow (Poland), 1927; Ph.D., University of Ottawa, 1956.

Salvatore A. Pupo, M.S. in Ed.

1951 — Assistant Professor of Education. M.S. in Ed., University of Notre Dame, 1950; Ohio State University, 1950-1951.

Bernard E. Qubeck, B. Mus., M.Mus. (Cand.)

1956 — Instructor in Music. B. Mus., Roosevelt University, 1948; Indiana University, Summer, 1947; M.Mus. (Cand.), Roosevelt University.

Reverend Ernest W. Ranly, C.PP.S., M.A. (Cand.)*

1956 — Instructor in Philosophy. M.A. (Cand.), Saint Louis University.

Reverend Charles J. Robbins, C.PP.S., M.A., Registrar

1940 — Associate Professor of Classical Languages. M.A., Catholic University of America, 1945.

Reverend Edward M. Roof, C.PP.S., M.A.

1929 — Associate Professor of Latin. M.A., Catholic University of America, 1931.

Reverend Charles R. Rueve, C.PP.S., M.S., Ph.D.

1946 — Assistant Professor of Mathematics. M.S., University of Notre Dame, 1949; Ph.D., *ibid.*, 1957.

Reverend Ambrose A. Ruschau, C.PP.S., M.S.

1955 — Instructor in Physics. M.S., Saint Louis University, 1956.

Richard F. Scharf, M.S. in P.Ed., H.S.D.

1940 — Associate Professor of Physical Education. M.S. in P.Ed., Indiana University, 1949; H.S.D., *ibid.*, 1957.

* Absent on Leave

Reverend Joseph F. Scheuer, C.PP.S., M.A., Ph.D.

1946 — Associate Professor of Sociology. University of Michigan, Summer, 1947; M.A., Fordham University, 1950; Ph.D., *ibid.*, 1956.

Sister Mary Petronella Schroeder, C.PP.S., Ph.D.

1957 — Assistant Professor in Biology. Xavier University, 1934; M.S., Institutum Divi Thomae, 1939; Ph.D., *ibid.*, 1948.

Glendale O. Scott, M.A., LL.B.

1956 — Assistant Professor in Accounting and Economics. M.A., Teacher's College, Columbia University, 1929; Columbia University, 1929-1931; LL.B., Cumberland University, 1938; *ibid.*, 1951-1953.

Reverend Donald F. Shea, C.PP.S., A.M., Ph.D.

1947 — Assistant Professor of History. A.M., University of Michigan, 1947; Ph.D., Loyola University, 1956.

Robert W. Shemky, M.S.

1956 — Instructor in Physical Education. M.S., University of Michigan, 1955.

Reverend Urban J. Siegrist, C.PP.S., M.S.

1936 — Associate Professor of Biology, Director of the Institutum Divi Thomae Research Station. M.S., Catholic University of America, 1936; Institutum Divi Thomae, 1943-46.

Sister Mary Theona Smith, C.PP.S., M.A.

1956 — Instructor in English. M.A., University of Dayton, 1946; Saint Louis University, Summers, 1949-1953.

Reverend Joseph A. Smolar, C.PP.S., M.S., A.M., Coordinator of Student Affairs

1945 — Assistant Professor of Biology. M.S. Institutum Divi Thomae, 1945; A.M., Indiana University, 1950.

Bhaskara R. Sripati, M.B.A.

1956 — Instructor in Business Administration. University of Pennsylvania, 1955; M.B.A., Atlanta University, 1955.

Paul C. Tonner, B.Mus.

1918 — Professor of Music. B.Mus., University Extension Conservatory, Chicago, 1931; Van Der Cook Music Conservatory, Summer, 1949.

Willard G. Walsh, M.F.A.

1954 — Assistant Professor of English and Speech. M.F.A., Fordham University, 1949; Certificate, American Academy of Dramatic Arts, 1953.

Elmer A. Walter, Ph.D.

1954 — Assistant Professor of Geology, Ph.D., Karl Franzens University, Graz, Austria, 1951.

Reverend Paul E. Wellman, C.PP.S., M.B.A. (Cand.)

1957 — Instructor in Business Administration. M.B.A. (Cand.), Marquette University.

Reverend Paul R. White, C.PP.S., M.A.

1956 — Instructor in Economics. University of Michigan, Summer, 1955; M.A., Catholic University of America, 1956.

Reverend Albert A. Wuest, C.PP.S., M.S.

1934 — Associate Professor of Chemistry. M.S., Catholic University of America, 1933.

ASSOCIATES IN TEACHER EDUCATION

Jesse B. Allen, M.S.

1956 — Supervising Teacher of Mathematics, Whiting High School. M.S., Indiana State Teachers College, 1950.

Donald E. Baker, M.S.

1956 — Supervising Teacher of Natural Science, Rensselaer High School. M.S., Indiana University, 1956.

L. J. Baker, M.S.

1956 — Supervising Teacher of Mathematics and Physical Science, Remington High School. M.S., Indiana University, 1937.

Margaret A. Colglazier, B.S.

1956 — Supervising Teacher of Vocational Home Economics and Related Sciences, Remington High School. B.S., Indiana University, 1955.

Rev. G. G. Conway, O.P.

1956 — Supervising Teacher of Mathematics, Fenwick High School.

Alonzo L. Dent, M.Ed.

1956 — Supervising Teacher of Physical Education, Lincoln High School, Evansville, Indiana. M.Ed., University of Pittsburgh, 1948.

Joseph E. DePeugh, M.S. in Ed.

1956 — Supervising Teacher of Mathematics, Whiting High School. M.S. in Ed., Indiana State Teachers College, 1952.

Lenore Dowden, A.B.

1956 — Supervising Teacher of Language Arts, Rensselaer High School. A.B., Indiana University, 1929.

Harold L. Eaton, M.A.

1956 — Supervising Teacher of Natural Science, Rensselaer High School. M.A., Indiana University, 1928.

Robert E. Fuson, M.S.

1956 — Supervising Teacher of Physical Education and Health and Safety, Remington High School. M.S., Indiana University, 1952.

Billie J. Holmes, M.S.

1955 — Supervising Teacher of Physical Education and Social Studies, Wadena Public Schools. M.S., Purdue University, 1954.

Ray D. Manis, B.S.

1956 — Supervising Teacher of Physical Education, Rensselaer High School. B.S., McNeese, 1953.

Michael E. Mihalo, M.S.

1956 — Supervising Teacher of Social Studies, Whiting High School. M.S., Indiana University, 1954.

A. J. Watford, M.S.

1956 — Supervising Teacher of Physical Education, Crispus Attucks High School. M.S., Indiana University, 1945.

PURPOSE AND AIMS

The general purpose of Saint Joseph's College is to offer its students a college education which embodies the principles and practices of the Catholic way of life. The achieving of this purpose implies that as the student advances in his course he learns to think, judge, and act more readily in accord with right reason guided by the mind and teaching of the Church. Saint Joseph's makes its own the principle enunciated by Pope Pius XI, that the object of Christian education is to prepare a man "for what he must be and for what he must do here below, in order to attain the sublime end for which he was created."

For the attainment of this general purpose, the College proposes for itself the following specific aims:

1. To offer such facilities for religious worship, instruction, and guidance as will lead the student to a more thorough understanding, a more genuine love, and a more generous practice of his Faith, and to acceptance of it as the supreme standard by which he will measure life's other values.

2. To foster in the student a lively appreciation of his social and civic obligations. In particular, the College aims to present the Christian virtues of justice and charity as the firm foundation upon which the student should build his life as a member of his family, and as a citizen of his community, state, and country.

3. To assist the student in his intellectual growth so that as he gains knowledge he may also the better develop correct methods of thinking, cultivate worthy attitudes and appreciations, and improve his ability to express ideas effectively.

4. To provide a program of general education which acquaints the student with the facts and the methods of inquiry in the chief fields of knowledge, namely, religion and philosophy, humanities, natural sciences, and social sciences. This program, completed in the main during the freshman and sophomore years, lays the foundation for advanced work.

5. To provide a program of advanced education enabling the student to gain deeper insight and wider comprehension in that field of knowledge which he chooses for concentrated study. This pro-

gram, confined largely to the junior and senior years, aims to complete the basic training for the student's future career, including entrance into a graduate or professional school.

6. To provide a program of professional education preparatory for immediate entrance into certain professions upon graduation. The program does not restrict itself to professional courses but draws also from the offerings in the programs of general and advanced education.

7. To safeguard the student's health and to promote his physical fitness through an organized health service and a program of recreational activities.

8. To aid the student, through personal guidance, assistance, and supervision, to realize his individual dignity, duties, and capacities.

These aims the College construes not as separate and independent but as interrelated, not as pertaining to the classroom alone but as pervading the student's entire campus life. Each member of the staff accepts the obligation to contribute not only to the specific aims in his assigned field of work but also to the balanced Christian development of the whole student.

COLLEGE HISTORY AND CAMPUS

HISTORICAL SKETCH

In 1868, a frame dwelling was erected a mile south of Rensselaer as a home for thirty-five orphans. The home was closed in 1887. Two years later, the Most Reverend Joseph Dwenger, bishop of the Diocese of Fort Wayne, offered the vacant orphans' home and the land to Father Henry Drees, then Provincial of the Society of the Precious Blood, with the stipulation that a college be founded there. During the same year, 1889, Saint Joseph's College was incorporated under the laws of the State of Indiana with the right to grant the usual degrees.

With the coming of summer, 1891, the first building, now the southern half of the Administration Building, was finished, and the first students were enrolled. In 1893 the building was extended to its present proportions.

Education at early Saint Joseph's was on two distinct levels, the high school and the junior college. The aim was to prepare students for professional schools and seminaries, for teaching, and for immediate entry into business. The new college passed its first major landmark June 16, 1896, when it presented diplomas to twelve students, its first class of graduates.

The original aims of Saint Joseph's changed little up to 1925. At that time the college was converted into a minor seminary, and for a period of six years admitted only students preparing for the priesthood. The status of academy and junior college was re-established in 1931, and plans for the expansion of the school were formulated. Saint Joseph's began to operate as a senior college in 1936, and in June, 1938, its first class of four-year men was graduated.

Principal buildings on the campus at that time were the Chapel, Administration Building, Gaspar Hall, Dwenger Hall, Science Hall, Drexel Hall, and the Power Plant. A building program was launched in the summer of 1939, and between that year and 1941 were erected Seifert Hall, Noll Hall, Xavier Hall, and the Fieldhouse.

The program of expansion was cut short by the war and was not resumed until the summer of 1946 when extensive work was done on the Cafeteria, Fieldhouse, Library, and Publications Building. Plans are already well developed for an extensive landscaping program and for the erection of several additional buildings.

Since its founding in 1889, Saint Joseph's has had the following twelve presidents: The Very Revs. Augustine Seifert, Benedict Boebner, Hugo Lear, Ignatius Wagner, Didacus Brackmann, Joseph Kenkel, Rufus Esser, Cyril Knue, Aloys Dirksen, Henry Lucks, Alfred Zanolar, and Raphael Gross.

CAMPUS AND BUILDINGS

One hundred and thirty acres have been laid out in parks, lawns, and campus. Dotting the campus are fourteen buildings designed to serve the educational needs of Saint Joseph's students.

The Administration Building is centrally located near the main entrance to the campus. The first floor houses the offices of administration. The second and third floors afford residence for clerical members of the faculty.

The Chapel, dedicated in May, 1910, is the most imposing edifice on the campus. It is an attractive brick and stone structure in the Romanesque style of architecture. Its large sanctuary provides ample room for the proper observance of the beautiful solemn ceremonies of the Church. Beneath the chapel is the cafeteria. Renovated in the summer of 1946, this large hall accommodates Saint Joseph's students in bright and cheerful surroundings.

Gaspar Hall, one of the oldest buildings on the campus and formerly a faculty residence, houses approximately fifty students. It is named in honor of the founder of the Society of the Precious Blood, Saint Gaspar del Bufalo.

Dwenger Hall, named for the second bishop of the Diocese of Fort Wayne, serves as an infirmary and dispensary. It was erected during the summer of 1907.

Drexel Hall was at one time used as a school for Indians. Renovated in 1937, the three-story structure became the home of Saint Joseph's upper classmen. It is named after Mother Catherine Drexel who provided funds for its erection.

Xavier Hall, dedicated to Saint Francis Xavier, patron of the Society of the Precious Blood, is the residence of the students who are preparing for the priesthood in the Society. It was erected in the fall of 1940.

Seifert Hall, residence hall for sophomores, was finished in 1939. It was named for Saint Joseph's first president, the Very Reverend Augustine Seifert, C.P.P.S. The hall accommodates one hundred and fifty students.

Merlini Hall was dedicated in the fall of 1940. It has been named after the Venerable John Merlini, the Third Moderator-General of the Society of the Precious Blood. It accommodates ninety students.

Noll Hall, dedicated in the spring of 1955, is named after the Most Reverend John F. Noll, Bishop of Fort Wayne, an alumnus and generous patron of the college. It houses ninety-eight students.

Bennett Hall, dedicated in the spring of 1955, is named after the Most Reverend John G. Bennett, first Bishop of Lafayette in Indiana, an alumnus and generous patron of the college. It houses ninety-eight students.

The Science-Library Building consists of a north-south wing, completed in 1915, and an east-west wing, added in 1936. The former houses the music department, the auditorium, and the library. The new wing is devoted to classroom space, physics, chemistry, biology, geology, and special research laboratories.

The Publications Building is a former power plant which was completely renovated in 1946 to provide space for offices of the various campus publications. In addition it houses the offices of the Saint Joseph's College Alumni Association.

The Fieldhouse was erected in 1940. Changes made in 1946 have provided seating for two thousand spectators and locker space for some five hundred participants in the sports program.

The Raleigh Recreation Hall, located near the Fieldhouse, was erected in 1947. This building is furnished with a spacious lounge, soda fountain, billiard and pool tables, and card and game rooms.

The Library. The library is a vital part of the institution's educational program. It attempts not only to implement and extend class instruction by stimulating study and research, but also to supply such recreational reading material as will foster a love for good books and cultural reading generally.

The library, greatly enlarged and refurnished in 1946, is centrally located, convenient to classrooms and residence halls. In its new location it comprises over eighteen thousand square feet of floor space, sufficient to seat two hundred students and to accommodate more than one hundred thousand volumes. Though the entire library was planned to be functional, it provides an atmosphere of quiet, simple beauty. Here in well-lighted rooms, conducive to study, the student will find selected material for research and for leisure-time reading. Near the circulation desk and reference room is the reference librarian's desk, where a trained librarian is ready to help the student on a research project or to give him guidance in a reading program.

On the main floor, besides the reference room and current periodicals room, is a special reading room where the student has access to collections of the "great books" of all ages.

For the student's convenience there is a room set aside for typing and for microfilm reading. Two conference rooms are also provided on the main floor where small classes may use extensive library material as part of their class work. These rooms are available to groups of students working together on some project requiring cooperative use of library materials. In the lower stack area there are forty-five carrels which provide the student with an individual study desk located near a large, selected group of bound periodicals and journals.

The library has over fifty-seven thousand books and bound periodicals. There is also a large collection of Government documents. Over four hundred and fifty periodicals are currently received. In vertical files, in the reference room, there is a selected group of pamphlets and a separate collection of vocational guidance material.

Special instruction in the use of the library forms an important part of the orientation program during freshman week. This systematic introduction to the resources of the library is continued throughout the first semester so that students in every department may obtain immediate library efficiency for their college work and may retain a life-long acquaintance with library tools.

The College Community Association. This association, a community project for College families, was formally approved and incorporated under the laws of Indiana, December 14, 1956. The College has backed this project with the aid of the 1955 Ford Faculty Grant and has made available a 25 acre wooded area for homes. The membership corporation controlling the project has the following Officers: Dr. Jay Barton, President; Mr. Bernard E. Qubeck, Vice-President; Dr. Richard F. Scharf, Secretary-Treasurer.

Laboratory Facilities. Science Hall houses the laboratory facilities for the Departments of Biology, Chemistry, Geology, and Physics.

The biology laboratories, situated on the second floor of Science Hall, provide up-to-date equipment for courses in fundamental zoology and botany, microtechnique, bacteriology, embryology, histology, comparative vertebrate anatomy, human anatomy, and physiology.

On the third floor of Science Hall are well-equipped laboratories for the use of students of general inorganic and organic chemistry, biochemistry, quantitative and qualitative analysis, and

physical chemistry. In addition there is a large demonstration laboratory.

Geology laboratories, adequate for courses in physical geology, historical geology, mineralogy, petrology, and palenontology, are found on the basement level in Science Hall.

The physics laboratories, also situated on the basement level in Science Hall, are equipped for courses in general college physics, electricity and magnetism, physical optics, meteorology, physics of radiology, modern physics, heat, electronics, and radio.

Research. In September of 1946, Father Urban J. Siegrist began special research work in connection with the Institutum Divi Thomae, a graduate department of the Athenaeum of Ohio which was founded in 1928 by the Most Reverend John T. McNicholas, O.P., S.T.M., Archibishop of Cincinnati.

A laboratory for research in cellular physiology was built in 1955 under the direction of Doctor Jay Barton who is currently investigating the chemistry and physiology of all nuclei.

Music Department. Saint Joseph's has long recognized the value of music and its contribution to a liberal education. The College seeks to give every student an opportunity for musical expression according to his talent or inclination. In addition to the courses in musical theory, instruction in applied music is available in voice, piano, organ, and all band and orchestral instruments. Students with previous training and experience are urged to join the band, orchestra, or glee club.

Music Conservatory. Staffed by members of the music faculty, the conservatory offers a program of musical instruction without credit. Applications are not limited to currently enrolled students of the college. There are no specific requirements for admission. Enrollment may be made at any time for private lessons or for class work.

STUDENT PERSONNEL SERVICES

STUDENT GUIDANCE

Orientation Program. At the opening of the fall semester, the College conducts an orientation program for all new students. Placement tests are given to provide a basis for counseling and guiding the students in the selection of courses and in assigning them to class sections. Faculty members act as counselors and assist new students in planning their programs for the first semester. In meetings held during the week, the student learns about Saint Joseph's—its traditions, equipment, regulations, and opportunities.

It is the purpose of the College to make the activities of orientation week as interesting and helpful as possible, so that by the time classes begin the new students are settled and are acquainted with the campus, the faculty, and classmates.

The Testing Program. Students entering Saint Joseph's take orientation tests in various fields, the results of which are used chiefly to give the counselor information needed in planning wisely the educational program of his counselees.

Other tests required of all students, in addition to those prescribed by the instructors in the classes, are the Sophomore General Culture Test, administered at the end of the sophomore year, and the Graduate Record Examination, which the student takes prior to graduation. Results of these tests are used to check the student's progress and to compare the achievement of Saint Joseph's students with that of students of other colleges.

Counseling. The Director of Guidance assigns to each freshman a member of the faculty to act as his advisor in educational, vocational, and personal matters. Students above the freshman level are permitted to select their own counselors from a list prepared by the Director of Guidance.

Each faculty counselor has access to grades, test results, health record, and other pertinent information on his counselees so that he may be better acquainted with their individual problems.

Reading and Study Clinic. Most recent of the personnel services established by the college for the benefit of its students is the Reading and Study Clinic designed to increase the efficiency of skills required in reading and study procedures.

Recognizing that deficiencies in study and reading habits may prevent students from meeting required standards of college work, the College has arranged that any student may request the services of the clinic; he may also be referred to the clinic by an instructor or faculty counselor.

Religious Exercises. The forming of a true Christian character in the student is the highest aim in education. This happy result can be attained only through religion. The student, therefore, should prize the knowledge and love of religion as his richest possession, and he should be eager to do his part in helping to create and to maintain a religious atmosphere in the daily life on the campus.

All Catholic students are required to make the annual student retreat and are urged to attend daily Mass and Benediction as also the various devotions. Opportunity for confession is available daily.

The program of religious exercises is arranged by the Chaplain, who is likewise available for consultation on matters of religious observance.

Health Service. The student infirmary and the dispensary are under the supervision of a trained nurse. To insure proper care, quiet, and comfort for sick students, the infirmary is provided with efficient and modern equipment.

At Saint Joseph's, emphasis is placed upon health and physical fitness. All students accepted for admission are required to furnish a statement from a reputable physician attesting to a state of general good health. They are further required to present evidence of immunization against smallpox and diphtheria within the previous twelve months.

All entering students are given a thorough physical examination by the college health service staff. Included in this examination is a tuberculin test. Those who react positively are given a chest X-ray examination.

Members of the college athletic teams are examined annually by the college physician to insure the physical fitness of all players.

Recreation and Athletics. Recreational activities have been a part of every civilization, and educators, past and present, are in agreement that competitive sports can be helpful in directing the energies of young men into wholesome channels to the end that student health be safeguarded and physical fitness promoted. Inter-

collegiate athletics, properly supervised and controlled, contribute to the total educational program of a college.

Saint Joseph's is a member of the Indiana Intercollegiate Athletic Conference. A program of intercollegiate games is provided in football, basketball, baseball, track, golf, bowling, and tennis. In addition, the College also supports a well-developed program of intramural games with the idea that all students should participate in sports and "carry-over" recreational skills useful in a society apparently destined to enjoy increasingly more leisure time.

Students participating in intramurals are urged to get insurance coverage; the College will not be responsible for injuries incurred in intramural games.

Furthermore, in order to develop leaders in the area of physical education, the College maintains a Department of Physical Education staffed by competent teachers, supported by a curriculum of standard quality, and supplemented by "laboratory" experience provided through its program of intercollegiate and intramural sports. In all forms of recreation and physical development, the spirit of friendly competition is encouraged and the habit of fair play is inculcated.

In its athletic program, Saint Joseph's College is governed by the policies of the North Central Association of Colleges and Secondary Schools and by the rules of the Indiana Intercollegiate Conferences.

Recognizing the excellent athletic and physical training facilities provided by Saint Joseph's, the Chicago Bears of the National Professional Football League have selected the College as their pre-season training site each summer since 1944.

Veterans Assistance. In 1944, and again in 1952, Saint Joseph's received official approval as a school for veterans of military service under the provisions of Public Law 16 and 346 for the World War II veteran, and Public Law 550 for the Korean veteran. For further information, veterans should address the office of the Registrar.

Military Service. Selective Service provides qualified students with various opportunities for deferment, and the College makes special effort to acquaint its students with these opportunities.

The Selective Service regulations, as they affect students, were written so as to provide young men with an opportunity to attain the highest educational status possible in order that they may be better

suited to serve the defense needs of the nation. It is the experience of the College and its students that almost all draft boards agree with this objective and are willing to defer qualified students to enable them to continue their education. A folder outlining current Selective Service regulations as they affect students is available upon request from the College.

While Saint Joseph's does not offer R.O.T.C. programs, students in our accredited College are eligible to enlist in the U.S. Marine Corps Platoon Leaders Class, a program carrying draft deferment until graduation and leading to a commission and active duty in the Marine Corps. A folder descriptive of the Platoon Leaders Class is available at the College.

Representatives of the various branches of the armed forces periodically visit the campus to acquaint students with the opportunities for specialized service after graduation.

Placement. The College does not regard its work as finished until it has seen its graduates established in suitable employment. A placement bureau is operated by an experienced staff member who advises the student in choosing his first job and, when necessary, assists him in finding employment in his chosen field, both directly and through cooperation with recognized governmental and private employment agencies.

ORGANIZATIONS AND ACTIVITIES

Student Government. All members of the student body of Saint Joseph's College, exclusive of the seminarians of the Society of the Precious Blood, are members of the Student Union and are governed by its constitution. Its student-elected officers, the four class presidents, and the chairman of the intra-club committee comprise the Student Council. The Student Council, or its committees, representing the Student Union, serves as a channel of communication and consultation between the student body and the faculty and administrative officers of the College.

Extracurricular Professional Groups. While the academic life has first claim on the student's time, membership in campus professional-interest groups is heartily encouraged at Saint Joseph's. Such associations enable the student to meet his fellow students and his instructors formally and to learn about his chosen field through group projects, movies, field trips, club meetings, and through contact with prominent men who appear as guest speakers.

Participation in these activities stimulates common professional inclinations, promotes cooperative efforts, and complements the classroom teaching by experiences in group planning.

Included among these professional-interest groups at Saint Joseph's are: the **Commerce Club** for business students which sponsors the annual **Father Gordon Award**; the **Debating Club**; the **History Club** for those who take courses in that area; the **Albertus Magnus Society**, the **Geology**, and the **Biology clubs** for those who are studying the natural sciences.

In the fine arts, Saint Joseph's has long realized the value of dramatic and musical activities in college life; through them the student becomes an active participant in the artistic accomplishment of others.

Students can find an outlet for their dramatic talent in the **Columbian Players**, the College's oldest extracurricular society. Each year the group presents productions, builds its own stage settings, and handles all lighting equipment, under the supervision of an experienced faculty director.

The Saint Joseph's **Glee Club**, composed of students of all classes, appears not only in campus concerts but also in an increasing number of off-campus programs and radio broadcasts. Yearly, the group presents a musicale in conjunction with the chorus from a college for women. The Glee Club also sponsors the annual **Louis F. White Memorial Award**.

The College Choir sings at Mass on Sunday and at various other liturgical functions.

The Band also offers splendid opportunities to the musician. In season, the band appears for outdoor concerts, and plays for athletic contests. The Christmas concert is one of the outstanding musical highlights of the year.

Three campus publications afford students experience in different types of writing. *Stuff* is the campus bi-weekly newspaper. *Measure*, the literary journal, contains longer articles, such as research papers, short stories, plays, essays, poetry, and book reviews. *Phase*, the pictorial yearbook, makes its appearance toward the end of the second semester.

Social Clubs. Social and recreational activities, too, are recognized at Saint Joseph's as necessary for the proper development of the student. Membership in campus clubs and participation in the year's social events are strongly encouraged. Each year various student organizations sponsor dances, highlighted by the fall homecoming celebration and the spring formal prom, in addition to a number of Saturday night "mixers" to which young ladies from colleges for women are invited. Saint Joseph's students also attend functions on the girls' campuses.

Social organizations on the campus include the Monogram Club for varsity lettermen, The Father Falter Veterans Post, the Chicago and Lake County Clubs, the Farley Stamp Club and the Camera Club.

Religious Groups. Several of the extracurricular campus societies have objectives which are primarily religious.

The Don Bosco Club is for altar boys and for those students who would like to learn to serve at Mass. Daily, about fifty priests offer Mass in the three campus chapels.

The Sanguinist Club is the official campus organization for Catholic Action. Under the club are the Holy Name Society and the Pious Union of the Precious Blood. The Sanguinists assist in the organizing of religious activities at the College.

Affiliated with the Catholic Students' Mission Crusade, the Dwenger Mission Society has as its object the study of home and foreign missions and the promotion of their welfare by prayer, sacrifice, and small fund-raising projects.

SUPERVISION OF STUDENT LIFE

The College assumes that men of college age have an adequate conception of the duties and responsibilities expected of them, and that every student who enters Saint Joseph's thereby indicates his readiness to comply with its rules and regulations. At the same time it recognizes an obligation to both students and parents to provide advisory and supervisory agencies.

In matters pertaining to social life, discipline, curriculum, and scholarship, all students come under the counsel and supervision of the Coordinator of Student Affairs, the Dean of Men, and the Dean of the College, according to the respective jurisdiction of each office. Matters of health are in charge of the College Physician. Administrative officers, assisted by student-faculty committees, make it their purpose to become familiar with student problems and to secure the observance of adopted policies and faculty regulations.

As a further part of the system of supervision, each residence hall has a Rector and one or more faculty members in residence whose duty it is to preserve order and promote proper conditions for study.

Discipline. Upon entering, each student is furnished with a Student Handbook in which the specific rules of discipline and other regulations are contained. The Dean of Men is the official representative of the College in matters pertaining to the observance of right order and good citizenship both on and off the campus.

Attendance at Saint Joseph's is a privilege and not a right, and it is understood that this privilege may be withdrawn from anyone who does not conform to the traditions and regulations of the College. Every effort is made to encourage the student toward self-government in accordance with the ideals of obedience, honesty, courtesy, and charity. When, however, a student manifests an inability or unwillingness to cooperate with the College in maintaining its regulations and policies he subjects himself to disciplinary action. Matters of discipline are handled by the Dean of Men and the Committee on Discipline. The jurisdiction of the Committee includes cases of dishonesty, intoxication, immoral or improper conduct, serious violation of campus regulations, or behavior prejudicial to the welfare of the student or the best interests of the College. The penalties imposed by the Committee on Discipline may be probation, suspension, dismissal, or other action they may deem advisable.

Leave of Absence. Permission to leave the campus overnight, or for a longer period of time, must be requested from the Dean of Men. Freshmen may secure weekend permissions once every four weeks. Regarding town nights, freshmen are generally permitted Saturday and Sunday nights until 11:30. They may visit Rensselaer during the day without special permission, but must be on campus by 9:00 p.m., except on town nights.

Sickness. Any student requiring the services of the infirmarian should present himself at the Health Center in Dwenger Hall during the appointed hours. Emergency cases will, of course, be taken care of at any time. No student will be excused from class on the plea that he was sick unless he has seen the infirmarian before he misses the class. When a student is advised by the infirmarian to remain as a patient, the Dean of Men must be informed.

Study Hour. Freshmen and sophomores are to observe a study period in their rooms from 9:00 to 11:00 p.m., and are to retire not later than 11:30.

Student Rooms. Students will be held accountable for the appearance and condition of their rooms. Occupants will, furthermore, be held responsible for any damage to the room. All necessary repairs due to carelessness will be made at their expense.

Students will be required to furnish all blankets, comforters, bedspreads, sheets, and pillow cases for personal use.

Rooms, most of which are equipped for two men, are furnished with beds and mattresses, chairs, lamps, desks, and clothes lockers.

The use of electrical appliances other than radios, record players, and electric razors is prohibited.

Wardrobe. Students are to dress with reasonable neatness. They should come to college sufficiently supplied with the necessary articles of use and wear. Generally, the wardrobe which a student has at home will be suitable for his purpose at college.

A private agency operates a commercial laundry on the campus and will handle campus laundry at a special rate. Students may avail themselves of this opportunity or have their laundry done at home.

Day-Students. Non-boarding students are admitted to Saint Joseph's provided that during their period of attendance they live either at home or with relatives responsible for them. The College has been able to assist a limited number of married students in locating suitable housing in the city of Rensselaer.

Employment. Students who desire employment on or off the campus as a means of partial self-support should register at the office of the Dean of Men. While the College is in session, resident students may not accept employment off the campus or engage in any business enterprise without the written permission of the Dean of Men. Such permission is also required for canvassing or soliciting money, subscriptions, or donations, on the campus or in the city of Rensselaer.

Automobiles. Juniors and Seniors are permitted to have cars on the campus, but may use them only under the conditions laid down by the Dean of Men. Sophomores may bring cars to the campus only with special permission and for a serious reason. Freshmen are not permitted the use of cars.

Visitors. Parents and relatives of the students are welcome at the College at any time of the year. They are, however, asked to arrange their visits so as not to interfere with the student's class attendance.

EXPENSES AND FEES

Because of uncertain conditions in the financial world, all terms entered into between the College and the students and parents of students concerning expenses are in force for the ensuing year only; they are subject to revision or renewal each year.

Cost Each Semester

Tuition for one semester \$240.00

This entitles the student to:

1. Academic instruction and advisory direction.
2. Ordinary medical care and the Health Service.
3. Subscription to campus newspaper, literary journal, and year book.
4. Admission to plays, lectures, concerts, and home athletic events.
5. Use of athletic facilities.

Board for one semester \$270.00

This entitles the student to three meals a day, seven days a week, except during scheduled vacation periods.

Brothers attending simultaneously as boarders may deduct \$25.00 each semester.

Residence Hall (Freshman, Sophomores,

Juniors, Seniors)Two Man Room \$100.00

Drexel Hall (Freshmen).....Two Man Room 75.00

Gaspar Hall (Freshmen).....Two Man Room 80.00

Dormitory Houses (Sophomores, Juniors, Seniors)

Washburn, White, Scharf (and limited number
of three man rooms) 60.00

The following will be available during the first semester of
the 1957-1958 school year only:

General Dormitory 20.00

Administration Building Ground Floor (Freshmen):

Three Man Room (Limited number) 50.00

Two Man Room 60.00

Special Fees

Application fee (paid once—at time of application) \$ 3.00

Student Union fee (paid each semester) 5.00

Graduation fee (paid once—Senior year) 10.00

Conditional Fees

Late registration \$ 5.00

Tuition per credit hour above 17 10.00

Tuition per credit hour for part time students 20.00

Laboratory Fee for science courses 5.00 to 15.00

Reading Clinic (per semester) 5.00

Music instruction, (applied music): one lesson per week 30.00

Student teaching (Advanced Education students) 20.00

Special and conditional examinations, each 2.00 to 5.00

Infirmery, each day 1.00

Transcript of credits (after initial copy) students .50, Alumni 1.00

FINANCIAL REGULATIONS

Upon acceptance by the admissions officer, the student is to make an advance payment of \$25.00. This amount applies to the payment in September.

The fee of \$535.00 to \$615.00 for tuition, board, room, student union fee is due at the beginning of each semester.

For those, however, who wish to budget their payments, the following schedule is suggested:

FIRST SEMESTER:

*\$250.00 at September registration.

\$200.00 on November 10.

Balance on December 10.

SECOND SEMESTER:

\$250.00 at January registration.

\$200.00 on March 10.

Balance on April 10.

*The student may deduct, at this time, the \$25.00 paid at time of acceptance. (Textbooks and laundry service are not included in the above. Textbooks may be purchased on the campus. The average cost is about \$25.00 a semester. Laundry costs and spending money needs vary considerably with the individual student.)

Remittance should be made payable to Saint Joseph's College by bank draft, personal check, or postal money order through the Collegeville post-office, and mailed to: Office of the Treasurer, Saint Joseph's College, Collegeville, Indiana.

No student will be permitted to register for either semester until the initial installment, at least, has been paid.

Students whose accounts are not paid within the semester will not be admitted to the semester examinations.

Degrees, transcripts, and letters of honorable separation are withheld from those who have not settled their financial obligations to the College.

Students will be personally responsible for all expenses incurred in Rensselaer, including physician, dentist, and oculist fees.

Books, stationery, and other articles may be purchased at the College Book Store.

Students will be required to furnish all blankets, comforters, bedspreads, sheets, and pillow cases for personal use.

Charges will be made for damages to property; for medicine, applications, special nursing, and physician's services when required at the local Health Center.

Bank. For the convenience and education of the student, the College operates a private banking system. The student may deposit and withdraw from his account at will. Through this convenience he will learn to handle his funds with discretion and foresight.

Refund Policy. Students who withdraw before the end of the semester will be charged for room and board at the rate of \$3.00 for each day, no refund allowance being made for incidental absences. They will be charged for tuition and fees on the following percentage basis:

One week or less, 20%; between one and two weeks, 20%; between two and three weeks, 40%; between three and four weeks, 60%; between four and five weeks, 80%; over five weeks, 100%.

S T U D E N T A I D

Students who need financial aid and meet the requirements of the various programs may avail themselves of the Academic Scholarship, Grant-in-Aid, and Student Employment programs. The College expects that all students who need aid will also help themselves through gainful employment during the summer months and at Christmas time.

Academic Scholarships. Saint Joseph's College annually offers \$20,000.00 in academic scholarships to worthy and needy high school seniors. The scholarships are awarded on the basis of academic achievement and promise as determined by the student's high school record and his scores on the College Entrance Examination Board Tests. (Scores of the Scholarship Qualifying Test taken in October for the Scholarship Testing Program of Indiana Colleges and Universities may be substituted for Indiana high school seniors. Scores of this same test may be substituted for seniors who take the test in October in other states. Seniors should request that the scores of the test be sent to Saint Joseph's College.) The amount of the scholarship is based on the student's financial needs as determined by the College in cooperation with the College Scholarship Service. While the amount of the scholarship will vary with financial need, it will never exceed \$500.00 a semester.

Steps In Applying For A Scholarship. Students should follow this procedure:

1. Obtain Scholarship Application Form by writing to the Admissions Counselor, Saint Joseph's College, Collegeville, Indiana.
2. Fill out Scholarship Application Form and mail to the Admissions Counselor.
3. Have High School Principal send directly to the Registrar at Saint Joseph's College the transcript of High School record.
4. Take College Entrance Examination Board Tests as described below. (Or Scholarship Tests of Indiana Colleges and Universities for Indiana high school seniors).
5. Submit Parents' Confidential Statement to the College Scholarship Service, as described below.

College Entrance Examination Board Tests. All candidates for Academic Scholarships will take the Scholastic Aptitude Test (morning test) of the College Entrance Examination Board, not later than March of the year in which they wish to gain the scholarship. Registration blanks for the test, complete information on the time, place, and nature of the tests can be obtained from either of the two CEEB service centers, namely: College Entrance Examination Board, P.O. Box 592, Princeton, New Jersey, or College Entrance Examination Board, P.O. Box 27896, Los Angeles 27, California. (Results of the test will be sent by the Board to as many colleges as the student desires.)

College Scholarship Service. All academic scholarships to Saint Joseph's College are based on academic ability and financial need. To help in determining the financial need of the student the College uses the College Scholarship Service. The principal instrument of the College Scholarship Service is a confidential form on which the parents of the applicant itemize pertinent family information and financial data. This statement is to be filled out only once by the parents and returned by them to the Service, which then transmits exact copies to those colleges which the parents list on the statement to receive them. The form for this confidential statement is mailed directly from Saint Joseph's College to the student as soon as his application for scholarship has been received by the College.

Announcement of Winners. All necessary material must be on file at Saint Joseph's College not later than May 1. The Scholarship Committee will meet on or about May 1 to determine the winners and the amount of each scholarship. On or about May 15 each candidate will be informed concerning the final action taken on his application.

Renewal of Scholarships. The first scholarship is granted for the freshman year. It is thereafter renewable every semester which the student spends at Saint Joseph's College until he graduates, provided that in the previous semester he has maintained at least a B average. When a student withdraws from the College the scholarship is automatically terminated and cannot be renewed except by special action of the Scholarship Committee.

General Scholarships. A limited number of scholarship grants of varying amounts are also available to sophomores, juniors, and seniors who give evidence of outstanding scholarly attitudes and at-

tainments, and who establish the fact that they need financial assistance to continue in college.

All scholarship awards are made for one semester, but will be renewed for succeeding semesters provided the recipient continues as a student in good standing at Saint Joseph's and has maintained the required scholastic index which will ordinarily be interpreted to mean a general average of B grade.

These scholarships are made possible through the generosity of alumni, trustees, and other friends of the College, and through the following endowed funds.

Founded Scholarships

The Saint Elizabeth Foundation. A fund established by Mrs. Elizabeth Mullen. The income from \$5,000 is available for a pre-theology student, preferably from St. Patrick's Parish, Kokomo, Indiana.

The Monsignor O'Keefe Scholarship. The sum of \$300 is available each year for a student or students designated by the pastor of St. Mary's Church, Akron, Ohio.

The Monsignor Moore Scholarship. A fund providing for tuition, board, and lodging for a pre-theology student from the Peoria Diocese.

The Michael and Mary Brisch Scholarship. The income from \$5,000 is available to assist in the education of a pre-theology student.

The Father Brunner Scholarship. The income from the Lawler Farm is available for a student or students selected by the Scholarship Committee.

The Father Seifert Scholarship. The income from the Collegeville gravel deposits is available for a student or students selected by the Scholarship Committee.

The Schumacher Family Scholarship. The income from \$10,000 is available for a student or students selected by the Scholarship Committee.

The Henry W. Schmidt Scholarship. A trust fund of \$7,145 to assist students selected by the Scholarship Committee.

Grants-In-Aid. Grants-in-aid are forms of financial assistance available to needy and deserving students to assist them in furthering their education. Those interested should apply to The Coordinator of Student Affairs.

Vocational Rehabilitation. Under the provision of Public Law 565, the federal government and the state jointly provide funds for scholarship grants-in-aid to students who have a physical or mental impairment which constitutes a vocational handicap. The State Vocational Rehabilitation Division is responsible for the determination of the grants. In Saint Joseph's College the Registrar's Office accepts referrals for applications. The grants pay tuition and some fees.

Student Loan Fund. The student loan fund exists for the benefit of students who are unable to meet their current expenses. Applications are made at the Office of the Dean of Men. Approval of parents or guardians is required before a loan will be granted.

Employment. Among those who attend the College, some may find it necessary and expedient to contribute to their own support through employment. The student should bear in mind that gainful occupation is an activity subservient to his academic life. He should not center his attention upon anything that will detract from his scholastic progress. It is particularly difficult for the first-year student to work for self-support and carry a normal class load at the same time. He needs his time to make the necessary adjustments and to do his regular college work satisfactorily. It is doubtful whether any student should enter college without sufficient funds to defray all expenses for at least the first semester.

For those who can maintain the required scholastic average besides performing some gainful tasks, a limited number of self-aid projects are available. There are a few calls for clerical and laboratory assistants, but most openings for employment are for janitorial and dining-hall jobs. Assignments are made on the basis of financial need, academic record, and probable success in performing the duties assigned. Applications for campus employment should be filed in the office of the Dean of Men.

Resident students may not accept employment off the campus or engage in any business enterprise during the time that the College is in session without the written permission of the Dean of Men.

ACADEMIC POLICIES AND PROCEDURES

The provisions of this Catalogue represent adopted policies and current practices, but are not to be regarded as an irrevocable contract between the College and the student. The College reserves the right to change provisions or requirements and to fix the time when such changes shall become effective.

Admission. All correspondence relating to admission should be addressed to the Office of the Registrar, Saint Joseph's College, Collegeville, Indiana. Application for admission should be filed as early as possible, and all credentials should be in the hands of the Registrar at least three weeks before the opening of the school term. Application forms will be sent upon request. An application fee of \$3.00, not refundable and not applicable to other charges, must accompany the application. All credentials submitted as part of the admission procedure become the property of the College.

General Requirements For Admission. All applicants shall comply with the following requirements:

1. Application form filled out completely by the applicant.
2. Official transcript of credits from all high schools and colleges previously attended, mailed directly from the schools to the Registrar.
3. Evidence of good health and proper immunization provided on and official medical certificate form supplied by the Registrar after an application has been approved.
4. Notification of acceptance from the Registrar. Final action in each case is based upon satisfactory evidence of moral fitness and scholastic ability of the applicant to succeed and profit as a student at Saint Joseph's College. The Committee on Admissions reserves the right to require any candidate to submit additional evidence in this regard before making its decision.

Admission to Freshman Standing. Candidates for freshman standing will be selected from among applicants who, in addition to

being persons of wholesome character, sound morals, and good citizenship, present the following academic qualifications:

1. Certificate of graduation from an approved high school. Graduates from other high schools may be accepted conditionally; full standing will be dependent upon subsequent work.

2. Minimum of fifteen units, ten of which must be from the following academic fields: English, Foreign Language, Social Studies, Mathematics, and Natural Science. (It is not necessary that all of these fields be represented in the ten units). The term "unit", expressing a measure of academic credit, represents a subject carried through not fewer than thirty-two weeks with five recitations a week, or the equivalent.

3. Two of the following three criteria of academic achievement and aptitude:

- a) Average of C or 80 or equivalent in total high school work.
- b) Rank in upper half of high school graduation class.
- c) I.Q. of 108 or equivalent. (Example of equivalent: 60th percentile on total of A.C.E. Psychological Test for high school seniors, or an average standard rating of 350 on the two parts of the Scholastic Aptitude Test of the College Entrance Examination Board Tests.)

Exceptions:

- 1. Applicants who fail to meet all of the above qualifications, and yet for other reasons give promise of success in college, may be permitted to take an entrance examination or be admitted upon the exceptional recommendation of the high school principal or counsellor.
- 2. Where in individual cases the applicant meets the regular requirements for admission and yet shows signs of inadequate preparation for college, the Committee on Admissions may require further evidence through an entrance examination or other means.

Admission To Advanced Standing. Students transferring from other institutions whose curricula are substantially the same as those of Saint Joseph's may be admitted with advanced standing. Transfer students must:

- 1. Meet the general entrance requirements.

2. Be eligible to continue in the institution from which they wish to transfer.

3. Be entitled to honorable separation from the institution last attended.

Transfer credit is acceptable only when the grade on such work is the equivalent of at least a C grade at Saint Joseph's College. No credit will be allowed for work which is not declared prior to admission.

Admission of Special Students. Mature students who wish to pursue particular studies without being candidates for a degree may be admitted as special students if it seems that they can profit from such work. In no case, however, will an applicant under twenty-one years of age be considered eligible to enter as a special student unless he has graduated from high school.

Work done by special students will not be counted towards a degree until all entrance requirements have been fulfilled.

Enrollment. All students are expected to report on the campus on the days officially designated in the College calendar. No new student will be admitted unless he has received official notice of acceptance from the Office of the Registrar.

Registration. No student will receive credit for any subject taken in a class for which he has not been duly registered.

After a student's class schedule has been approved, changes in courses or class sections must in each instance be approved and properly recorded in the Registrar's Office.

Late Registration. Students failing to register or to pay fees and tuition on the registration days designated in the catalogue must pay a late registration fee.

Class Schedule. A "Schedule of Classes" is published at the beginning of each semester, showing the courses that are offered, the time of meetings, the room numbers, and the instructors. The College reserves the right to withdraw an announced course for which fewer

than five students register. It also reserves the right to assign students to class sections and to limit the number of students who may elect a course in case the class becomes unduly crowded or is of such a nature that limited enrollment will be advantageous.

Faculty counselors will assist students in planning their programs of study. The suggested programs which are listed in the catalogue for each department in which a major sequence is offered may serve as preliminary guides for the tentative selection of courses. In all cases it is advisable that the student select his major by the end of his sophomore year and consult his faculty counselor regarding the pattern of courses for the major and minor sequences and the appropriate electives. A student's semester schedule of classes will not be considered final until it has been approved and filed in the Office of the Registrar. Opportunity for necessary adjustments in class schedules is provided during the first week of classes in each semester.

Class Load. The normal amount of work for which a student registers in one semester is sixteen or seventeen hours. To be classified as a full-time student he must register for a minimum of twelve semester hours, or for class work totaling at least fifteen periods per week. Permission to register for a course in excess of eighteen hours must be obtained from the Dean of the College; the basis for such permission shall be the student's ability as evidenced by previous college work. An extra tuition charge of \$10.00 for each credit hour in excess of seventeen will be applied to the student's account, except in those cases where the departmental program recommended in the catalogue requires more than seventeen hours in a particular semester.

Class Attendance. Students are required to attend regularly all lectures, laboratory exercises, tests, and examinations, with the reservations stated below.

Unexcused absences (hereafter called "cuts") are allowed in any semester course to the number of credits in that course; thus, two cuts are permitted in a two-credit course, three cuts in a three-credit course, etc.

Cuts are to be used for the following reasons: temporary physical indisposition (colds, headaches, upset stomach, etc.); trip home for dental work or medical consultation; special family events, such as reunions or anniversaries; attendance at the wedding or

funeral of a friend or a relative not of the immediate family; student trip with the College Varsity.

Cutting beyond the number of times allowed puts the student into what is called "provisional status" and places upon him the burden of clearing himself promptly in the following manner: having first presented to the instructor an official Dean-of-the-College voucher of payment of the required fee (\$2.00), he makes a passing grade in a special examination or does work to the satisfaction of the instructor. Failing to clear himself within seven days after his return to class, he loses credit for the course.

As soon as a student's cuts reach twice the number allowed, he automatically loses the semester credit in the course. He no longer has the opportunity afforded by "provisional status" as outlined in the preceding paragraph. Thus, in a three-credit course, a total of six cuts results in automatic loss of credit.

Not counted as cuts are unavoidable absences for certain reasons properly verified by the Dean of Men and so attested by his official voucher. This voucher is in each case to be presented to the instructor within seven days after the student's return to class. The following are the only reasons for which official vouchers are given:

- a) Such sickness of the student as incapacitates him for class attendance (so attested by the infirmarian or a physician).
- b) Death or serious illness in the student's immediate family.
- c) Attendance at the wedding of a brother or sister.
- d) Properly authorized engagement in the interests of the College.
- e) Properly authorized participation as a team member in intercollegiate competition.
- f) Official government summons.

Absences are counted from the first day of class in any course. Therefore, classes missed because of late registration are counted as cuts, except in these cases:

- a) A new student who has enrolled late in the College.
- b) A student who, with permission of the Dean of the College, transfers from one course to another course. Shifting to another section of the same course does not eliminate cuts taken in the first section.

A cut from the last class of any course before or from the first class after a holiday or recess is counted as a double cut except in the case of one-credit courses.

Tardiness and dismissal from class for disciplinary reasons may, at the instructor's discretion, be rated as cuts.

Cutting an announced test or examination incurs a grade of F. This may be removed by the passing of a special test after certification by the Dean of the College that the required fee has been paid. Excused absences may be handled in the same manner, except that the fee may be remitted by the Dean of the College.

Withdrawal From Courses. After the limit for changes in class schedule, a student may not withdraw from a course for which he is registered except by authorization of the Dean of the College. By failing to procure an official withdrawal, he automatically incurs an "F" for the course. No official withdrawals will be given later than two weeks after the mid-semester grading period.

Withdrawal From The College. Any student (except he be a graduating senior) who, as the end of a semester approaches, is aware that he will not register for the following semester is asked in courtesy so to inform the Registrar and the Dean of Men. About to withdraw from the College during a semester, he must report this fact to the Dean of Men and the Registrar; failing to do so he will forfeit to honorable separation. Students who discontinue either during or at the end of a semester without having settled their financial obligations to the College will be refused honorable separation and official transcript of credit until all accounts are paid.

Good Standing. A student is granted honorable separation provided he is in good standing. This signifies that the student is eligible to continue, to return, or to transfer elsewhere. It implies good academic standing as well as good citizenship.

Credits. The unit of academic credit is the semester hour. It represents the work of a semester course which meets once weekly for a fifty-minute period requiring approximately two periods of preparation. Thus, a class which meets twice weekly carries two hours of credit; three times weekly, three credits. One laboratory period (two to four hours) is the equivalent of one class meeting. The passing grade required before a student can receive credit is D.

Credit By Examination. Any regularly enrolled student of Saint Joseph's College in good academic standing may receive credit for any course in which he gives evidence of superior achievement by passing an examination in the subject matter of the course with a grade of A or B. The credit and grade thus earned will be entered on the student's academic record and will count towards fulfillment of the regular requirements for graduation.

1. **Schedule of Tests:** (a) at the beginning of the first semester; (b) the first semester final examinations; application must be made before the student leaves for Christmas vacation; (b) the second semester final examinations; application must be made before May 1.

2. Application to take credit by examination is made at the Office of the Academic Dean.

3. **Eligibility.** No student may receive credit by examination in a course for which he is currently enrolled for credit.

4. **Recording of tests.** A record shall be kept in the student's folder of all tests taken with the intention of receiving credit by examination. Only those courses, however, for which the student receives credit (by a grade of A or B) will be entered onto his permanent scholastic record, and they shall be designated as Credit by Examination.

5. **Fees.** The fee for each test taken to obtain Credit by Examination is \$5.00.

6. **Tests.** The tests shall be regular semester tests of the type given in the course for which the student is seeking credit. Such tests shall be made out, scored, graded and administered by an Instructor appointed by the Academic Dean.

7. **Limitation.** Credit by Examination cannot be taken in laboratory courses.

Auditing Courses. Auditing a course means attending class without obligation with respect to regularity of attendance, outside class work, tests, or examinations. Students register for audit courses in the same manner as for credit courses. The total number of credit and audit hours combined for which a student registers may never exceed twenty-one a semester. Audited courses are recorded in the Registrar's Office but do not form a part of the student's permanent scholastic record. For full-time students the fee for audit-

ing a course is \$5.00 for each semester-hour in excess of seventeen hours of credit and audit work combined. For part-time students the fee is \$15.00 a semester hour.

Grading System. Grades are given in letter symbols; no definite numerical value is indicated. The symbol A indicates excellent achievement; B, above average; C, average; D, acceptable but poor; F, failing; WP, withdrew passing; WF, withdrew failing; I, incomplete.

Grade Reports. Grade reports for all students are made to the Registrar twice each semester. The mid-semester reports are tentative indications of the student's progress; those following the semester examinations form his permanent record. Reports are issued to parents and students after each grading period.

Quality Points. A grade of A represents greater accomplishment in a four-credit course than does the same grade in a two or three-credit course. In order that a student's degree of success on the basis of both factors (amount of work represented by his courses, and the grades received) may be judged, use is made of the quality point. Quality points are assigned to grades according to the scale given below. The quality points assigned to a grade multiplied by the credits allowed in a subject will give the total points accruing to the student for his achievement in that subject.

Grades	Meanings	Quality Points
A	Excellent	4
B	Above Average	3
C	Average	2
D	Acceptable but Poor	1
F	Failing	0

Incomplete Grade. A course in which the grade of I is received will not be considered in computing the index until the incomplete grade is removed. If the I is not removed within five weeks after the semester (except in Honors Seminars), a grade of F will be assigned.

Scholastic Index. The index expresses in one convenient symbol the ratio of a student's total quality points to his total credits. This ratio is found by dividing the sum of the student's quality points by the sum of hours attempted. Thus, if his points equal his credits, his index will be 2.00, indicating that he is maintaining himself at the general level of C.

Honors Students and Dean's List. Students with a cumulative index of 3.00 or higher are classed as Honors Students. In order to deepen and to further the education of these students and to encourage them to independent study and research, the College offers certain academic privileges to them.

Students with a cumulative index of 3.00 or above, (a) are eligible to complete residence requirements in seven semesters or equivalent; (b) are eligible to graduate with honors by taking Honors Course 51 in their major field. The honors course may be started by making application in the Office of the Academic Dean in the student's second-last semester; the student registers for the course in his last semester.

Dean's List. Students with a mid-semester index of 3.50 or higher are placed on the Dean's List. They are excused from the requirements of the cut system for the following grading period unless, in a particular instance, the instructor rules otherwise. Students on the Dean's List are, however, expected to be present for all announced tests and will be held responsible for the subject matter of the courses they are taking. If at any time during the grading period it becomes evident that excessive absence from class is endangering the student's progress, the Dean or the Instructor shall have the right to revoke the privilege.

Probation and Dismissal. The mid-semester grades serve as an indication of the student's adaptability to his chosen program of studies. Both the parents and the student are informed when his work is below the required level at the mid-semester grading period.

At the semester grading period, freshmen with index below 1.50, and sophomores, juniors and seniors with index below 2.00, are placed on probation. If this status is not removed at the next semester grading period, the student will be dropped for poor scholarship unless **on appeal for special reasons** he is granted an extension by the Committee on Curriculum and Educational Policy. If he submits an appeal he must do so by writing personally to the Academic Dean within two days after he receives notification of his status.

Students who, at the semester grading period, fail in as much as one-half of their work will be dropped for poor scholarship.

Students dropped for poor scholarship may, after the lapse of a semester, apply for readmission. If their application is approved, they will be readmitted on probation and must maintain the scholastic index required by their classification. If dropped for poor scholarship a second time, they are not eligible for readmission.

Classification. Students are enrolled are regular when they meet all entrance requirements and have been approved for a course of studies leading to the bachelor's degree; as special if the course work is not to be counted toward the fulfillment of degree requirements. Students may be registered as either full-time or part-time students. A full-time student is one who is carrying a minimum of twelve semester hours of college credit, or who is registered for class work totaling at least fifteen periods per week.

A student is classified as a freshman if he meets the entrance requirements; as a sophomore when his record shows 28 semester hours of college credit; as a junior when he has earned 58 semester hours; and as a senior when he has completed 92 semester hours of credit.

Athletic Eligibility. A student is eligible to participate in inter-collegiate athletic contests under the following conditions:

1. Be of approved physical condition as certified by the College physician.
2. Meet the requirements for classification as a regular full-time student at Saint Joseph's College.
3. Have successfully completed a minimum of twelve semester hours of college credit in his last previous semester unless he is a beginning freshman.
4. Be in good academic standing as determined by the scholastic index requirement according to his classification.
5. Be eligible to play in a designated game according to the rules, policies, and approved practices of the Indiana Collegiate Conference with respect to amateur standing, length of previous participation, institutional transfer and similar matters.

It is the responsibility of the players as well as of the coaching staff to know and comply with the letter and the spirit of the athletic policies adopted and approved by the faculty.

Awards and Prizes. The recognition of merit in the individual is natural and proper as an incentive to personal and social progress. The awards and prizes listed below represent the College's attestation of the recipients' excellence in written and oral expression as demon-

strated in the annual competitive exercises in a variety of fields. In all cases the College reserves the right to withhold an award if, in the opinion of the judges, none of the entries in a contest attains a standard of excellence sufficient to merit the distinction implied by the conferring of the award.

National Honors Society. On October 15, 1956, the Gamma Delta Chapter of Delta Epsilon Sigma, National Catholic Honors Society, was installed at the College. Junior students who are in the upper ten percent of their class and have a minimum of a B average are eligible for this distinction.

The Alumni Essay Award. The sum of twenty-five dollars is awarded annually to the student submitting the best English essay to a committee of three appointed by the Saint Joseph's Alumni Association, the donor of this award. The second prize is fifteen dollars.

This contest is open to all students. Contestants must submit three typewritten copies of their work, under an assumed name or some special mark of identification, to the professor in charge of the contest not later than May 1 of the current year.

The Mary J. Pursley Memorial Award for Creative Writing. This gift was made by the Most Rev. Leo A. Pursley, D.D., '21, Auxiliary Bishop of Fort Wayne. This is an annual award of fifty dollars for the best work in creative writing submitted to three judges. The purpose of the contest is to encourage the writing of good Catholic literature in the form of fiction, drama, or poetry.

The Hanley Science Award. A prize of one hundred dollars is awarded to the student who, in the estimation of the instructors in the Division of Natural Sciences, composes the best essay in the field of science or mathematics. The prize for second place is fifty dollars. The contest is limited to members of the junior and senior classes taking a major or minor sequence in the Division of Natural Sciences. Essays must be submitted not later than May 1 of the current year. The first prize is donated by Mr. William A. Hanley, '08, Indianapolis, Indiana. The second prize is donated by Dr. Frank A. Benchik, '42, of East Chicago, Indiana.

The Monsignor T. M. Conroy Memorial Oratory Medal. The Reverend James J. Conroy, '32, continuing the foundation established by his uncle, the Rt. Rev. Msgr. Thomas Conroy, '96, is the donor of the oratory medal awarded annually. The contest is open to students who have given evidence of superior effort and ability in the freshman or sophomore speech courses. First prize, gold medal and fifteen dollars; second prize, ten dollars; third prize, five dollars.

GRADUATION REQUIREMENTS

Degrees. Saint Joseph's College confers the Bachelor of Arts degree in Biology, Biology-Chemistry, Chemistry, Economics, English, English-Journalism, Geology, History, Mathematics, Mathematics-Physics, Philosophy, and Theology; the Bachelor of Science degree in Accounting, General Business, Marketing, Education, and Physical Education. However, the student who majors in Biology, Chemistry, Geology, or Mathematics, may, if he prefers, receive the Bachelor of Science degree. Students completing the curriculum for the preparation of elementary teachers receive the Bachelor of Science in Education degree. (B.S. in Ed.)

Degree in Absentia. Students who have attained senior standing after the completion of three years of residence and who have then transferred to a school of law, engineering, or medicine may secure the degree in absentia. In addition to the requirements regarding total hours, advanced courses, major and minor sequences, comprehensive and graduate record examinations, the candidate will be required to show successful completion of the first year's work in the professional school in which he has enrolled.

Graduation With Honors, is conferred on the basis of successful completion of an honors seminar in the department of the student's major together with a cumulative index (through the four years of college) of 3.00 for the honor *Cum Laude*, of 3.50 for *Magna Cum Laude*, and of 3.75 for *Summa Cum Laude*.

Honors Seminar. As a means to promote scholarship and initiative on the part of superior students, those departments which offer a major also conduct an honors seminar. This is a course in independent study, directed reading, and research in the student's field of concentration, the results of which are to be formulated in a research paper. To be admitted the student must have in his junior year maintained a B average in his major sequence. Topics for research must be approved by the student's major professor.

Residence. Completion of the college course requires normally that the student be in residence for eight semesters or the equivalent.* Three six-week summer sessions are considered the equivalent of one semester. Academic credit earned in residence at another college or university will be accepted for transfer provided the quality of such work is the equivalent of at least a C grade at Saint Joseph's College. Work completed at off-campus extension centers is accepted up to sixty semester hours. Not more than twelve within this maximum of sixty hours may be taken by correspondence. The last thirty

*See exception for Honors Students, p. 45.

semester hours and sixty quality points must ordinarily be completed on the campus of Saint Joseph's College. For exceptions, see "Degree in Absentia."

Examinations. In addition to the regular course examinations, the student is required to take the following examinations:

1. The Sophomore General Culture Test, an objective-type examination covering the areas of general education, is administered at the end of the sophomore year. Students are required to have taken this test as a graduation requirement.

2. Comprehensive Examinations. The candidate for the degree must pass a comprehensive examination covering his major field. Preparation for this examination implies that from the very beginning the student will have organized the results of his study and reading with a view to permanent retention. The subject matter for the comprehensive examination in a departmental major covers the entire area of undergraduate preparation in that particular field of knowledge and is, therefore, not restricted to the specific subjects which the candidate has completed in the course. The student will be tested on his knowledge of basic facts and principles, his insight into relationships and his ability to apply what he has learned to the solution of typical problems. The norm for passing the examination may be stated as that degree of competence which would be obtained from a careful reading and independent study of standard texts proper to all courses, lower-level as well as upper, offered by the Department. The Divisional Chairman in consultation with the Dean of the College will determine the scope of the examination for the student who has selected a divisional or group major. Comprehensive examinations are written tests of approximately six hours in length and are administered towards the end of the semester.

3. Graduate Record Examinations. All seniors are required to take the Graduate Record Examination (Area tests and Advanced Tests) in their final year on the dates set down in the College Calendar.

Semester Hours and Quality Points. A minimum of 124 semester hours and 248 quality points are required for graduation. The number of quality points earned in courses of the major sequence must equal at least twice the minimum credit hours required for the respective major. At least sixty hours must be completed on the lower level, including the prescribed work in general education; at least fifty hours, including the requirements of advanced and special

education, must be completed on the upper level. Not more than forty-two hours in a single department will be counted toward the minimum total required for graduation.

Course Requirements. The faculty of Saint Joseph's College has given considerable thought and effort to the building of a curriculum which will provide a sound program of general education for all students. It is generally agreed that colleges exist for the purpose of transmitting the cultural inheritance; that every educated person should have an acquaintance with the facts and the methods of inquiry in the chief fields of knowledge; and that learning must have breadth as well as depth. While, therefore, the courses in general education are wide in scope, they must not be regarded as shallow or superficial, for they have been designed to be both the foundation and the complement of the more specialized courses in designated fields of concentration.

All courses are grouped under the five Divisions: Religion and Philosophy, the Humanities, the Natural Sciences, the Social Sciences, and Education. Furthermore, Freshman courses (1-19) and Sophomore (20-29) are designated lower-level, while Junior (30-39) and Senior (40-51) are distinguished as upper-level courses on the basis of content and instructional procedures. Ordinarily, odd-numbered courses are offered during the first semester and even-numbered courses during the second semester.

Lower Level Requirements: General Education

Course Numbers: 1-29

The number of semester hours a student must earn on the lower level is a minimum of sixty. Of these, the following specified courses constitute, with the exceptions noted below, that part of the program of general education required of all. They are to be completed, ordinarily, by the end of the sophomore year.

	Semester Hours	
*English 3-4, or 7-8 -----	6	Rhetoric and Composition or Freshman Literature
Humanities 20, 21-22, 23-24, 25 or 27 -----	6	Literary Art Forms; English Literature; World Literature; Music Art Forms; Art: History and Appreciation

* English 3-4 credit is a graduation requirement. However, entering students who fall below a certain minimum percentile in the placement test in the mechanics of expression will be assigned to English 1 as a preparatory course for English 3-4. (See p. 59.)

Natural Science 2 and 3-4	9	Principles of Biological Science; Principles of Physical Science
Philosophy 12 and 21	6	Logic; General Psychology
Religion 1, 25 and 26	9	Christian Morality; Catholic Dogma; Sacraments
Social Science 1-2	6	Development of Western Institutions
**Social Science Elective	3	
Speech 12	2	Fundamentals of Speech
	—	
	47	

Exceptions:

1. Certain adjustments and substitute courses are provided for the student who at registration definitely plans to follow a program in the natural sciences, or teacher training. See details under these heads.
2. The extent to which the lower-level credits presented by the transfer students are acceptable in fulfillment of the requirements in general education is determined by the Dean of the College.
3. Students who are not of the Catholic faith will take Religion 36, Principles of Morality, as a requirement for graduation. They are at liberty to substitute other courses for the 9 additional hours in religion regularly included in the college program.

Foreign Lanuage. While offered as a recognized element in liberal education, foreign language study is not required of all. However, German specifically is required of Chemistry majors; a foreign language (preferably German), of pre-medical students; a foreign language is required of English majors; and German or French is strongly recommended for the student planning to enter graduate school.

Upper Level Requirements: Advanced and Special Education

Course Numbers: 30-51

Every approved sequence of courses leading to a bachelor's degree is based on the assumption that as the student advances, he must accept an increasing share of the responsibility for his own education. Within the framework of a few basic principles of organization and minimum essential requirements, he is encouraged

** May be either upper or lower level.

to select advanced courses which best fit his needs, interests, and vocational aspirations. The suggested programs which are listed in the catalogue for each department in which a major sequence is offered may serve as preliminary guides for the tentative selection of courses. In all cases it is advisable that the student select his field of concentration by the end of his sophomore year and consult his faculty counselor regarding the pattern of courses for the major and minor sequences and the appropriate electives.

The number of semester hours on the upper level required for graduation is a minimum of fifty. The program of advanced or special education will include the following:

Major Sequence. Ordinarily this will embrace a minimum of twenty-four semester hours of upper-level credit in a department, or, for a group major, thirty-six credit hours in a division of instruction. Students should see special regulations under each department.

Minor Sequence. Ordinarily this will be a minimum of twelve semester hours of upper-level credit in a department chosen for its relation to the major sequence though not necessarily in the same Division.

Religion and Philosophy. Three upper-level hours in religion and six upper-level hours in philosophy are required. Philosophy 31, Metaphysics, is required of all students.

Electives. Additional courses to complete the fifty upper-level hours and a total minimum of 124 semester hours and 248 quality points required for graduation.

DIVISIONS AND DEPARTMENTS OF INSTRUCTION

54	Majors, Minors and Degrees Offered
55- 62	DIVISION OF RELIGION AND PHILOSOPHY
55- 58	Religion
59- 62	Philosophy
63- 76	DIVISION OF THE HUMANITIES
64- 68	English
68- 69	Classical Languages: Greek; Latin
69- 71	Journalism
72- 74	Modern Languages: French; German; Spanish
74- 75	Music
75- 76	Speech
77-107	DIVISION OF NATURAL SCIENCES
78- 82	Biology
82- 86	Chemistry
87- 98	Engineering
99-102	Geology
102-106	Mathematics
106-107	Physics
109-131	DIVISION OF SOCIAL SCIENCES
110-113	Accounting
113-117	Business Administration: General Business; Marketing
117-120	Economics
120-123	History
124-127	Politics
128-131	Sociology
133-146	DIVISION OF EDUCATION
133-135	Secondary
135-136	Elementary
137-138	Tables of Indiana Requirements
139-142	Courses in Education
143-146	Physical Education

MAJORS, MINORS AND DEGREES OFFERED

Department	Major (24 hrs.)		Minor (12 hrs.)
Accounting	x	x	B.S.
Biology	x	x	B.A. or B.S.
Biology-Chemistry	x	x	B.A. or B.S.
Business Administration			
General Business	x	x	B.S.
Marketing	x	x	B.S.
Chemistry	x	x	B.A. or B.S.
Biology-Chemistry	x		B.A. or B.S.
Economics	x	x	B.A.
Education	x	x	
Elementary	x		B.S. in Ed.
Secondary	x		B.S.
Engineering			
Five year program*			B.A. and B.S.
English	x	x	B.A.
English-Journalism	x		B.A.
French		x	
German		x	
Geology	x	x	B.A. or B.S.
Greek			
History	x	x	B.A.
Journalism-English	x		B.A.
Journalism		x	
Latin			
Mathematics	22 hrs.	9 hrs.	B.A. or B.S.
Mathematics-Physics	x		B.A. or B.S.
Music		x	
Philosophy	x	x	B.A.
Physical Education	x	x	B.S.
Physics		x	
Politics	x	x	B.A.
Religion		x	
Sociology	x	x	B.A.
Spanish		x	
Speech		x	
Theology	x		B.A.

* Five year Engineering programs are available in Aeronautical, Agricultural, Chemical, Civil, Electrical, Fire Protection and Safety, Food, Industrial, Mechanical and Metallurgical Engineering. After three years at Saint Joseph's, and a year at Illinois Institute of Technology, Notre Dame University, Purdue University or Rose Polytechnic Institute, the student qualifies for a B.A. degree from Saint Joseph's. After his fifth year, he qualifies for a Bachelor's degree in Engineering from one of these Universities.

DIVISION OF RELIGION AND PHILOSOPHY

The courses in religion and philosophy are designed to present a rational explanation of the universe, man, and God. They stress the philosophical principles fundamental to a deeper understanding of revealed truths and show the relation of religion and philosophy to other fields of knowledge. Their purpose is to expand the student's knowledge and enrich his appreciation of Catholic teaching, and thereby offer him incentives to shape his individual, his family and his social life in accordance with that teaching.

DEPARTMENT OF RELIGION

In addition to the regular courses in Religion, the Department offers a series of special courses in Theology during the summer Session. Students who have a bachelor's degree from a recognized Catholic College or University and complete the requirements of the four-summer program (plus a Comprehensive Examination) may receive a B.A. in Theology. Those who do not have a bachelor's degree may qualify for (a) a certificate in Theology, or (b) a B.A. in Theology by fulfilling catalogue requirements. Details of the special program are given in the Summer Session Bulletin.

A minor sequence in the Department of Religion consists of a minimum of twelve semester hours on the upper level. Nine semester hours on the lower level and three on the upper level are obligatory for all Catholic Students. Included must be courses 1, 25, and 26. Non-Catholics are required to take Religion 36, Principles of Morality. Pre-theological students will take courses 3-4 and 23, 24.

COURSES IN RELIGION

1. Christian Morality 3 hours

This course is a study of fundamental moral theology and of the Christian virtues. It treats the end of man, human acts, law, conscience and virtue in general, with special emphasis on the practical application of ethical principles to modern problems, individual and social.

3-4. The Life of Christ**4 hours**

This course presents the life of Christ as based on a detailed and coordinated reading of the four Gospels. The aim and purpose is to furnish source and background for scientific theological study and a quickening and deepening of religious spirit through the study of the Christ of the Gospels.

23. Christ in His Mystical Body**2 hours**

The historical development of the apostolic community is studied from the Acts of the Apostles, while the mystery of the Church as the Body of Christ is examined in the writings of Saint Paul, particularly the Epistle to the Ephesians. The course concludes with a doctrinal summary from the encyclicals on the Holy Spirit and the Mystical Body.

This course is intended primarily for pre-theology students.

24. The Worship of the Mystical Body**3 hours**

The liturgy of the Church is presented as the continuation of the priesthood and redeeming sacrifice of Jesus Christ. The major portion of the course is devoted to the doctrine and historical development of the Sacrifice of the Mass and the seven sacraments. A study of the liturgical calendar is included.

This course is intended primarily for pre-theology students.

25. Catholic Dogma**3 hours**

Revealed truth as defined in the dogmas of the Church is presented in systematic manner: The One God, the Trinity, the Creation, Incarnation and Redemption, Divine Grace, Veneration of the Saints, the Last Things. Expected from the student is familiarity with source material from Sacred Scripture and the doctrinal decisions of the Church.

26. Sacraments**3 hours**

This course is intended to direct the student's mind to the spiritual values in the seven sacraments as the sources of supernatural life. The origin and nature of the sacraments are shown

in relation to their effect in the individual and social order. Special emphasis is laid on the Holy Eucharist as sacrament and sacrifice.

30. Christian Marriage 3 hours

Catholic moral teaching is applied to the daily life of the Christian in the world, with a special study of individual and social problems involved in courtship, marriage, and family.

32. Apologetics 3 hours

Apologetics leads the student to an understanding of the Church as founded by Christ. The study proceeds by means of rational proof for the preliminaries of faith, the existence of God, the immortality of the soul, and the fact of Christian revelation.

33. History of the Early and Medieval Church 3 hours

The history of the Catholic Church from the time of the Apostles to Pope Boniface VIII. (Offered in 1957-1958.)

34. Modern Church History 3 hours

In this course the medieval decline is presented in the light of the rising nationalism and individualism of the modern age. Special attention is given to the causes of the Reformation and to the Catholic revival and counter-reform. (Offered in 1958-1959.)

35. Liturgy for the Layman 3 hours

This course, by acquainting the layman with the liturgy of the Church, prepares him to participate in her ceremonies with understanding and profit.

36. Principles of Morality 3 hours

A course in the basic principles of morality. This course meets the needs of students who are not of the Catholic faith.

41. Introduction to Sacred Scripture 3 hours

The Church's doctrine on the inspiration of the Bible and the canonicity of the sacred books serves as a general introduction to

scripture study. Reading from the Old Testament and a study of some of the problems connected with the historical books are included in this course. (Offered in 1957-1958.)

42. The New Testament

3 hours

This course includes introductory materials to the study of the New Testament and treats particularly the four Gospels as the inspired life of Christ. (Offered in 1958-59.)

48. History of the Church in North America

3 hours

Early foundations of the Church in North America; growth and expansion throughout the nineteenth century; present status of the Church. (Offered in 1958-59.)

Suggested Program of Courses for Students Wishing to Qualify for Admission to a Major Theological Seminary after the Sophomore Year

FRESHMAN YEAR

	Semester Hours		
English 3-4, or 7-8	3	3	Rhetoric and Composition; Literature
Greek 1-2	3	3	Introductory Greek
Latin 5, 6	3	3	Cicero; Horace
Latin 7-8	1	1	Latin Prose Composition I
Natural Science 3-4	3	3	Principles of Physical Science
Religion 3-4	2	2	Life of Christ
Social Science 1-2	3	3	Development of Western Institutions
— —			
18		18	

SOPHOMORE YEAR

Greek 21	3		The Greek New Testament
History 25-26	3	3	History of the Americas
Humanities 23, 24	3	3	World Literature
Latin 21, 22	3	3	Livy; Hymns & Ecclesiastical Writers
Latin 25-26	1	1	Latin Prose Composition II
Natural Science 2		3	Principles of Biological Science
Philosophy 12	3		Logic
Religion 23, 24	2	3	Christ in His Mystical Body
Speech 12		2	Introduction to Public Speaking
— —			
18		18	

DEPARTMENT OF PHILOSOPHY

The Department of Philosophy offers both a major and a minor sequence. A major sequence consists of a minimum of twenty-four semester hours on the upper level and must include courses 31, 32, 33, 38, and six hours from 41, 42, 43, and 44. A minor sequence consists of a minimum of twelve semester hours on the upper level.

Six semester hours of philosophy on the lower level and six on the upper level are required of all students. Courses 12, 21, and 31, are obligatory.

COURSES IN PHILOSOPHY**12. Logic 3 hours**

This course aims to develop the sense of correct thinking by a study of concepts and terms, judgments and propositions, immediate inference, deduction, scientific method, and the sources of fallacies.

21. General Psychology 3 hours

The rational principles underlying the study of life—vegetal, sentient, and intellectual. The relation of the philosophy of man to the science of psychology is presented with special emphasis on the Thomistic doctrine of the faculties and the soul.

31. Metaphysics 3 hours

The study of being in its most fundamental aspects. This branch of systematic philosophy deals with the Thomistic concepts of act and potency, the nature of causality, transcendentals, and predicaments, in order to furnish the student with the broad and basic ideas essential to the synthetic grasp of reality.

32. Theodicy 3 hours

The study of the proofs of the existence of God in their historic background together with the modern criticism. The doctrine of analogy receives special emphasis. (Offered in 1958-59.)

Prerequisite: Philosophy 31.

33. Cosmology 3 hours

This course integrates present-day scientific discovery with the basic Thomistic principles. The problem of finality, the laws

Suggested Program of Courses for the A.B. Degree
with Philosophy as Major Sequence **

FRESHMAN YEAR

	Semester		
	Hours		
English 3-4 -----	3	3	Rhetoric and Composition
Natural Science 3-4 -----	3	3	Principles of Physical Science
Philosophy 12 -----	3		Logic
Religion 1 -----	3		Christian Morality
Social Science 1-2 -----	3	3	Development of Western Institutions
Speech 12 -----		2	Fundamentals of Speech
Electives -----	3	3	Foreign Language
	—	—	
	15	17	

SOPHOMORE YEAR

Humanities 23-24, 20, 25, 27 ----	3	3	World Literature; Literary Art Forms; Music Art Forms; Art: History and Appreciation
Natural Science 2 -----	3		Principles of Biological Science
Philosophy 21, 31 -----	3	3	General Psychology; Metaphysics
Religion 25-26 -----	3	3	Dogma; Sacraments
Social Science -----	3		(Elective)
Speech 21-22 -----	1	1	Advanced Speech
Electives -----	3	3	Foreign language
	—	—	
	16	16	

JUNIOR YEAR

Philosophy 33, 46 or 38, 32 -----	3	3	Cosmology; Philosophy of Science; or Epistemology; Theodicy
Philosophy 41, 42 or 43, 44 -----	3	3	History of Philosophy
Philosophy 34 -----	3		Professional Ethics
Religion, Upper-level -----	3		Apologetics
Speech 31-32 -----	2	2	Discussion and Debate
Minor Sequence -----	3	3	
Electives -----	3	3	
	—	—	
	17	17	

SENIOR YEAR

Philosophy 33, 46 or 38, 32 -----	3	3	Cosmology; Philosophy of Science; or Epistemology; Theodicy
Philosophy 41, 42 or 43, 44 -----	3	3	History of Philosophy
Philosophy 51 -----	3		Honors Seminar
Minor Sequence -----	3	3	
Electives -----	4	7	
	—	—	
	16	16	

** Programs for designated majors should be viewed as suggested patterns and not as rigid schedules. By the end of his sophomore year, the student should select a field of concentration and with the guidance of his faculty counselor plan his course of studies for the junior and senior years.

of nature, and space and time are studied in the light of traditional principles. (Offered in 1957-58.)

34. Professional Ethics

3 hours

This course is an application of the principles of moral philosophy to professional life. Selected questions are studied and discussed with a view to offering norms of action in matters of right and duty in the various professions.

38. Epistemology

3 hours

A study of knowledge in its metaphysical implications. A consideration of being as intelligible, and of intellect as related to reality. This course consists principally in reflections upon the nature of knowledge, critical judgments concerning the sources of knowledge, and an ultimate evaluation of knowledge.

Prerequisite: Philosophy 31.

41. History of Ancient Philosophy

3 hours

A course in early philosophy, especially of the Greek thinkers. The progress of philosophic thought is presented by means of sources studied in their background, class discussions, and written reviews. (Offered in 1957-58.)

42. History of Medieval Philosophy

3 hours

The study of philosophic thought from the patristic age to the scholastic decline. Scholasticism is examined in the light of the present-day need for a perennial philosophy. (Offered in 1957-58.)

43. History of Modern Philosophy

3 hours

A study of modern thinkers against the background of the Renaissance, the Reformation and the rise of science. Special attention is given to the impact upon the contemporary world of such men as Descartes, Spinoza, Leibniz, Bacon, Newton, Locke, Hume, Rousseau, Kant, Hegel, Mill, and Spencer. (Offered in 1958-59.)

44. Contemporary Philosophy

3 hours

A critical evaluation of Bergson and the philosophy of the spirit, Husserl and the phenomenological method, Neo-positivism, the Analytical Philosophers, Dialectical Materialism, Pragmatism, the Metaphysical Renaissance, and Existentialism. (Offered in 1958-59.)

46. Philosophy of Science**3 hours**

For the more advanced student of both philosophy and science this course seeks solid foundations for scientific coordination in the basic principles of Thomism. Extensive readings in the history of science and of philosophy are required.

Prerequisite: Philosophy 33.

51. Honors Seminar in Philosophy**3 hours**

DIVISION OF THE HUMANITIES

The primary purpose of the teaching in this Division is to develop some degree of appreciative understanding and power of expression in language, literature, music, and art, which are generally valued for their refining influence. This involves also some attention to the relation between principles of art and the Catholic tradition. Another objective is to enlarge the student's acquaintance and enrich his sympathy with the culture of peoples as reflected in their language and art. It is in the nature of the humanities that they contribute to the aims of general education; the upper-level courses make possible concentration in certain departments.

Majors are offered in English and in English-journalism; minors, in English, journalism, modern language, music, and speech.

HUMANITIES COURSES

All students must, for graduation, show six semester hours in freshman English and six hours selected from the sophomore humanities.

20. Literary Art Forms 3 hours

A reading course in the main types of literature, with interpretative analysis of basic forms, functions, and artistic values. The aim is to supply a basis for intelligent appreciation of quality.

21-22. English Literature 6 hours

A chronological perspective of eight centuries, noting the interrelation of authors, movements, and, to some extent, of other literatures with English, but stressing a critical appreciation of various literary forms as they are met.

23-24. World Literature 6 hours

Great classics—ancient, medieval, and modern—are read in translation, with attention to the continuity of broad literary trends, to the interrelation of literatures, and to such artistic values as are preserved in translation.

25. Music Art Forms 3 hours

The aim of this course is to lay the foundation for an intelligent appreciation of music and of its relation to human experience. The nature of music, its forms, and its development are studied, with

some attention to the great composers in various periods. Listening to records and specified radio programs and attendance at local concerts are integrated with the course.

27. Art: History and Appreciation

3 hours

A course designed to furnish the student with a background for an understanding of the arts and to broaden his judgment in regard to what constitutes beauty and good taste. A brief survey of painting, sculpture, architecture, and the minor arts of all periods.

DEPARTMENT OF ENGLISH

The aims of the Department of English are: 1. To teach the student to read with understanding, and to write and speak with correctness, with exactness, and with some artistry. 2. To develop a capacity for the enjoyment of literature, especially of the major English and American authors. 3. To cultivate what Newman calls "enlargement of mind," which embraces breadth and depth of view, critical judgment, and good taste. 4. To provide adequate preparation for graduate studies, for teaching in secondary schools, and for the study of journalism or law.

A major sequence comprises a minimum of twenty-four semester hours in upper-level work. Courses in speech and dramatics may be applied on the major but are not included in computing the maximum hours (42) permitted in a single department. On the lower-level the student planning an English major must take Humanities 23-24. Recommended also are Humanities 20 and 25. Twelve hours in a foreign language are required of the English major. If he chooses to make this language his minor, he may compute the credit from all courses above the freshman level to fill the requirements for a minor.

The group major in English-journalism comprises a minimum of thirty semester hours in upper-level courses so distributed that each department is represented by at least twelve. Six hours in a foreign language are required.

Special Department Regulations. English 3-4 credit is a graduation requirement. Entering freshmen, and transfer students without credit in freshmen composition work, must take a placement test in the mechanics of expression. Those who in the test fall below a certain minimum percentile will be assigned to English 1, preliminary to English 3. Normally they will proceed from English 1 to English 3 and later to English 4. However, if a student shall have made exceptional progress in English 1, his work may be evaluated by the

English department as satisfying the English 3 requirement, whereupon he may register for English 4.

Prior to the semester examination, students in Freshman English may be required to take an objective standardized test administered by the Department. The results will be combined with those in the course examinations to determine promotion and revision of class sections for the second semester.

Pre-engineering students whose program enjoins English 27, may substitute this course for English 4 if they have been required to take English 1.

COURSES IN ENGLISH

1. Remedial English 3 hours

Intensive remedial drill in grammar, syntax, punctuation, capitalization, usage, and spelling. The course is preliminary to English 3 for those who in placement tests fall below a minimum percentile rating.

3-4. Rhetoric and Composition 6 hours

This course embodies the study and practice of correct and effective writing. It includes a review of grammar, syntax, and the mechanics of expression.

7-8. Freshman Literature 6 hours

A course restricted to certain pre-theological students who have pursued a college-preparatory curriculum. Advanced composition is integrated with the study of the major American authors in the first semester, and of Catholic authors in the second.

27. Technical Writing 3 hours

The engineering student progresses from the writing of the simply organized letter to more complex forms of communication: first, various report forms and then technical and non-technical articles.

28. Business Writing. 3 hours

The student is led to analyze common business situations and problems which give rise to a need for clear and succinct communication. He considers also the bearing of practical psychology in the writing of letters and related business forms.

**Suggested Program of Courses for the A.B. Degree
with English as Major Sequence**

FRESHMAN YEAR

	Semester		Hours	
English 3-4	3	3		Rhetoric & Composition
Natural Science 2	3			Principles of Biological Science
Philosophy 12	3			Logic
Religion 1	3			Christian Morality
Social Science 1-2	3	3		Development of Western Institutions
Speech 12		2		Fundamentals of Speech
Electives	3	6		Foreign Language or Humanities 20, 25
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	15	17		

SOPHOMORE YEAR

Humanities 23-24	3	3		World Literature
Natural Science 3-4	3	3		Principles of Physical Science
Philosophy 21		3		General Psychology
Religion 25, 26	3	3		Dogma; Sacraments
Social Science	3			Economics; Geography; History; Politics; Sociology
Speech 21-22	1	1		Advanced Speech
Electives	3	3		Foreign Language
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	16	16		

JUNIOR YEAR

English 31,32 or 41, 42	3	3		Renaissance; Shakespeare; Early English; Literary Criticism
English 33, 34 or 43, 44	3	3		Romantic Age; Victorian Age; Novel; Drama
English 37 or 45	2			Advanced Writing; Contemporary Literature
English 38 or 46		2-3		Creative Writing; Catholic Literature
Philosophy 31		3		Metaphysics
Electives	3	5		Major American Writers; Discussion and Debate
Minor Sequence	3	3		
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	17	16-17		

SENIOR YEAR

English 31, 32 or 41, 42	3	3		Renaissance; Shakespeare; Early English; Literary Criticism
English 33, 34, or 43, 44	3	3		Romantic Age; Victorian Age; Novel; Drama
English 37 or 45	2			Advanced Writing; Contemporary Literature
English 36 or 46		6		Major American Writers; Catholic Literature
English 51	3			Honors Seminar
Philosophy, upper level		3		
Religion, upper level		3		Christian Marriage; Church History; Sacred Scripture
Electives		2		
Minor Sequence	3	3		
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	17	17		

31. Renaissance and Neo-classicism 3 hours

A study of selected non-dramatic writings by the major English authors between 1500 and 1800. (Offered in 1957-58.)

32. Shakespeare 3 hours

A study of Shakespeare's life and works with emphasis on the great tragedies. (Offered in 1957-58.)

33. The Romantic Age 3 hours

A study of the main writers of the period and their relation to their own and later times. (Offered in 1957-58.)

34. The Victorian Age 3 hours

A study of the main Victorian and later Victorian writers and their relation to contemporary ideas. (Offered in 1957-58.)

36. Major American Writers 3 hours

A study of the major authors of American literature from Irving to 1918. Outside readings and reports. (Offered in 1957-58.)

37. Advanced Composition 2 hours

Advanced studies in expository, descriptive, and persuasive writing.

38. Creative Writing 2 hours

Students gain experience in the longer forms of writing; short stories, one and three-act plays, and narrative and lyric poetry.

41. Early English Language and Literature 3 hours

An introduction to the study of the laws of the English language. Reading of Old and Middle English texts, with emphasis on Chaucer's *Canterbury Tales*. (Offered in 1958-59.)

42. Literary Criticism 3 hours

A study of the nature, basic values, and techniques of literature as interpreted by various critics. Insight into principles, criteria, and methods is deepened through selected reading. (Offered in 1958-59.)

43. The Novel 3 hours

A study of the major English and American novelists from Richardson to the present time. (Offered in 1958-59.)

44. The Drama**3 hours**

A survey of the chief trends in English and American drama from the beginnings to the present, with emphasis on the reading of representative plays exclusive of Shakespeare's. (Offered in 1958-59.)

45. Contemporary Literature**2 hours**

A survey of the chief authors and major works and trends in England and America since 1918, exclusive of the drama and the novel. (Offered in 1958-59.)

46. Catholic Literature**3 hours**

An introduction to the Catholic literary revival in England and America since 1800, and its ties with Catholic literature in other tongues. (Offered in 1958-59.)

51. Honors Seminar in English**3 hours**

DEPARTMENT OF CLASSICAL LANGUAGES

The Greek courses give the student a reading knowledge of the Greek New Testament, and impart some understanding of the contribution which Greek has made to the English language.

The Latin courses develop in the student a knowledge of the Latin language to the extent that he may be able to read, understand, and appreciate masterpieces of Latin literature, and prepare him to continue his studies in a major seminary.

COURSES IN GREEK

1-2. Elements of New Testament Greek**6 hours**

A study of the fundamentals of inflection and rules of syntax as found in the Greek of the New Testament.

21. The Greek New Testament**3 hours**

The course aims to impart a reading knowledge of the Greek New Testament through the reading of some selections from the Gospel of St. Luke and the *Acts of the Apostles*.

COURSES IN LATIN

- 1-2. **Introductory Latin** 6 hours
A course designed for students who have not taken Latin in high school; it covers in one year the matter usually taken in two years of high school Latin.
- 3-4. **Intermediate Latin** 6 hours
A course designed for students who present two years of Latin from high school. The Catilinian Orations and selections from Vergil's *Aeneid* form the subject matter of the course.
5. **Cicero** 3 hours
Selections from the *De Amicitia*, *De Senectute*, *Pro Archia*, and from the Letters of Cicero.
Prerequisite: Latin 3-4 or equivalent.
6. **Horace** 3 hours
Selected odes, epodes, satires, and the *Ars Poetica*.
- 7-8. **Latin Composition I** 2 hours
Graded exercises for translating from English to Latin. This course is complementary to Latin 5 and 6.
15. **Readings in Ecclesiastical Latin** 3 hours
Extensive reading in the *Catechismus Catholicus* of Cardinal Gasparri is used as the means of developing fluency and comprehension.
21. **Livy** 3 hours
Roman History: selections from Books 21, 22, 24, and 25.
22. **Latin Hymns and Ecclesiastical Writers** 3 hours
A study of selected hymns from the Roman Breviary and of texts commonly used in the major seminary.
- 25-26. **Latin Composition II** 2 hours
A continuation of Latin 7-8.

DEPARTMENT OF JOURNALISM

The aims of the Department are: 1. To prepare the student for practical work in journalism or for graduate study in the field. 2. To make him aware of the opportunities and moral responsibilities of the Catholic journalist.

The group-major in English-journalism comprises a minimum of thirty semester hours in upper-level courses so distributed that each department is represented by at least twelve. Six hours in a foreign language are required.

For a minor sequence in journalism, the student must show twelve semester hours credit in upper-level courses.

COURSES IN JOURNALISM

1. Introduction to Journalism **3 hours**

A basic course which precedes upper-level work. It emphasizes underlying principles of journalism and the need of broad background in other areas. Considered carefully are the several types of journalistic writing, the functions of the individual parts of the whole newspaper, and some of the problems facing modern journalism.

31. News Writing and Reporting **3 hours**

A practical course stressing news values, news sources, accurate gathering of news materials, structure and style of news stories, and interviews.

32. Editing **3 hours**

Study and practice in copyreading, rewriting, headline writing, proofreading, page makeup, and type and printing methods. Particular emphasis is placed upon the preservation of good taste and high moral standards in the editing of copy.

34. Feature Writing **3 hours**

A practical course in the techniques of feature writing and their application to the various types of feature stories and special articles.

41. Editorial Persuasion. **3 hours**

Analysis of the means of persuasion as outlined in Aristotle's *Rhetoric*: good character in the writer and proper appeal to the reader's intellect and emotion. Practical use of Aristotle's principles by the editorial writer.

44. Newspaper Management and Advertising **3 hours**

A study of the business side of newspaper production. Consideration of the various departments: administration, accounting, circulation, promotion, and advertising. (Offered in 1958-59.)

46. Ethics of Journalism **3 hours**

An application of ethics to the press in the light of current problems and professional codes; a study of the laws, such as those of libel and copyright, which affect the relationship between the press and society. (Offered in 1957-58.)

Suggested Program for Group Major in English-Journalism

FRESHMAN YEAR			
	Semester		
	Hours		
English 3-4 -----	3	3	Rhetoric and Composition
Journalism 1 -----	3		Introduction to Journalism
Natural Science 2 -----		3	Principles of Biological Science
Philosophy 12 -----		3	Logic
Religion 1 -----	3		Christian Morality
Social Science 1-2 -----	3	3	Development of Western Institutions
Speech 12 -----		2	Fundamentals of Speech
Electives -----	3	3	Foreign Language; Humanities 20;
	—	—	lower-level courses in Economics, Poli-
	15	17	tics, or Sociology.
SOPHOMORE YEAR			
Humanities 23-24 -----	3	3	World Literature
Journalism 31 -----	3		News Writing and Reporting
Natural Science 3-4 -----	3	3	Principles of Physical Science
Philosophy 21 -----		3	Psychology
Religion 25; 26 -----	3	3	Dogma; Sacraments
Speech 21-22 -----	1	1	Advanced Speech
Electives -----	3	3	Foreign Language; Humanities 20;
	—	—	lower level courses in Economics,
	16	16	Politics, or Sociology.
JUNIOR YEAR			
English 33; 32 or 36 -----	3	3	Romantic Age; Shakespeare or Major
			American Writers
English 37 or 45 -----	2		Advanced Composition; Contemporary
			Literature
English 38 or 46 -----	2-3		Creative Writing; Catholic Literature
History 37; 36 or 38 -----	3	3	Rise of American Industry; American
			Frontier or U.S. History since 1900
Journalism 32 or 34 -----		3	Editing; Feature Writing
Journalism 44 or 46 -----	3	3	Newspaper Management and Advertising
			or Ethics of Journalism
Philosophy 31 -----	3		Metaphysics
Politics 33 -----	3	3	Political Parties and Pressure Groups;
	—	—	Comparative Governments
	17	17-18	
SENIOR YEAR			
English 33; 32 or 36 -----	3	3	Romantic Age; Shakespeare or Major
			American Writers
English 37 or 45 -----	2		Advanced Composition; Contemporary
			Literature
English 38 or 46 -----	2-3		Creative Writing; Catholic Literature
Journalism 32 or 34 -----		3	Editing or Feature Writing
Journalism 41 and 44 or 46 -----	3	3	Editorial Page; Newspaper Management
			and Advertising or Ethics of Journal-
			ism
Politics 34 -----		3	Comparative Governments
Sociology 31 -----		3	Rural-Urban Sociology
Religion, upper level -----		3	Required Elective
Electives -----		2-3	
	—	—	
	17	17-18	

DEPARTMENT OF MODERN LANGUAGES

The primary aim in the teaching of the modern languages is to train the student to some proficiency in reading and understanding the language he studies and to some facility in speaking and writing. A second aim is to give him an acquaintance with the literature, culture, and history of the people represented by the language. In addition, the Department provides adequate preparation for teaching of the language in secondary schools.

In order that the first of these aims may be realized with some degree of completeness, the student is urged to take at least two years of a language. Students who have completed two or more units of a language in high school may be admitted to the second semester of the college introductory course or even to the intermediate course in that language by passing a qualifying test.

COURSES IN FRENCH

1-2. Introductory French 6 hours

Careful training in the fundamentals of French grammar and pronunciation. Simultaneous development of the four ends of language study: reading, aural comprehension, writing, and speaking.

21-22. Intermediate French 6 hours

Intensive reading of selected short stories, plays, and excerpts which treat of French customs and culture. Review of grammar. Exercises in writing and speaking.

31. Advanced French Composition 3 hours

Exercises in idiomatic construction and beauty of expression. Prerequisite: French 1-2 and 21-22, or equivalent.

32. French Literature 3 hours

A survey of French literature from its beginnings to the nineteenth century. Reading assignments and written reports.

41-42. French Literature 6 hours

A survey of French literature of the nineteenth and twentieth centuries. Special emphasis on the Catholic Renaissance. Reading assignments and written reports.

COURSES IN GERMAN**1-2. Introductory German 6 hours**

Exercises in pronunciation, essentials of grammar, and functional vocabulary. Intensive reading from graded texts.

21-22. Intermediate German 6 hours

Review of grammar. Practice in reading and writing. Required selections from modern works in the narrative, dramatic, and scientific styles.

26. Scientific German 3 hours

An intensive reading course for students majoring in science. This course may be substituted for German 22.

35-36. German Literature 6 hours

A survey of German literature. Reading assignments; oral and written reports.

41-42. German Drama 6 hours

A study of the works of Goethe and Schiller as representative of the classical period, and the reading of modern dramatists from Kleist to Hauptmann.

COURSES IN SPANISH**1-2. Introductory Spanish 6 hours**

Drill in the basic grammatical rules with emphasis on the development of reading and conversational ability. Written exercises are required.

21-22. Intermediate Spanish 6 hours

Review of grammatical forms. Advanced grammar and syntax. Reading of graded texts. Practice in conversation and written reports.

31-32. Spanish Literature 6 hours

Survey of Spanish literature from its beginnings to modern times. Selected readings from the most important authors. Written and oral reports. (Offered in 1958-59.)

35. Advanced Conversation and Composition 3 hours

Systematic and intensive drill in Spanish oral practice. Written and oral composition. Readings and subjects for discussion are assigned.

Prerequisite: Spanish 21-22 or equivalent.

36. Commercial Spanish 3 hours

Study of the language used in business, its forms and idioms. Special attention is given to letter writing and other business documents.

41-42. Spanish-American Literature 6 hours

A survey of Spanish American literature with emphasis on the nineteenth and twentieth centuries. Selected readings from representative authors from the various countries. (Offered in 1957-58.)

DEPARTMENT OF MUSIC

The Department aims to further the intellectual and artistic development of the student through the medium of music theory and practice. In addition to the courses in musical theory, instruction in applied music is available in voice, piano, organ, and all band and orchestral instruments.

COURSES IN MUSICAL THEORY

1. Basic Theory 2 hours

An introductory course in musical theory, covering musical notation, scales and intervals.

2. Ear Training 2 hours

A course designed to train the student in identifying intervals, chords and melodies.

23-24. Harmony 4 hours

The study of chords and their progressions. Also a complete study of cadences, transitions, and modulations.

Prerequisite: Music 1.

33. Counterpoint I 2 hours

Strict and Free Counterpoint—four species; two-voiced counterpoint.

Prerequisite: Music 23-24.

34. Counterpoint II 2 hours

Florid counterpoint—fifth species, canon, and fugue; three and four-part counterpoint.

Prerequisite: Music 33.

35-36. Orchestration 4 hours

A study of the characteristics of the instruments; scoring of compositions for band and orchestra.

Prerequisite: Music 23-24.

43-44. Composition 4 hours

Original composition.

Prerequisite: Music 34.

COURSES IN APPLIED MUSIC

1-2., or 3-4., or 11-12.* Voice or Instrument 2 hours

Private instruction in the following fields of applied music are offered: a) voice b) piano c) organ d) violin or other string instruments e) wind instruments f) percussion instruments g) band.

21-22. Voice or Instrument 2 hours

A continuation of Applied Music 11-12.

31-32. Voice or Instrument 2 hours

A continuation of Applied Music 21-22.

41-42. Voice or Instrument 2 hours

A continuation of Applied Music 31-32.

COURSES IN SPEECH

12. Fundamentals of Speech 2 hours

A beginning course in the basic principles of speech. Emphasis is placed on the voice and its mechanics, enunciation, pronunciation, and projection. Practice and criticism in various types of speaking.

21-22. Advanced Speech 2 hours

A study and application in composition and delivery of the principles underlying persuasive speaking. Practice in extemporaneous speaking on subjects of current interest and the student's choice, with attention given to content, organization, and essentials of effective presentation.

Prerequisite: Speech 12.

31-32. Public Discussion and Debate 4 hours

A thorough study of the principles and problems involved in panel, group, and parliamentary discussion techniques. The study of formal argument in its relation to practice and contest debating.

Prerequisite: Speech 12.

* In order to enter Applied Music 11-12 which is college level, beginners should be capable of playing fourth grade music.

33. Oral Interpretation of Literature**2 hours**

A course designed to develop ability in interpreting the meaning of the printed page and in communicating that meaning to others. Practice in interpretation of poetry, prose, dramatic literature, and the monologue. (Offered in 1957-58.)

Prerequisite: Speech 12.

35-36. Fundamentals of Acting**2 hours**

A course in the elements of acting, including concentration, memory of emotion, dramatic action, characterization, observation, and rhythm. Students participate in College productions. (Offered in 1958-59.)

38. Fundamentals of Play Production**2 hours**

A course in the elements of acting and the technical aspects of play production to prepare the student to direct plays in schools and communities. Attention is given to the problems of casting, rehearsals, the use of stage areas, scenery, and make-up. Students participate in College productions. (Offered in 1957-58.)

40. Oral Interpretation of Modern Drama**2 hours**

A study in the interpretation of modern drama from Ibsen to the present day. (Offered in 1958-59.)

DIVISION OF NATURAL SCIENCES

The Division of Natural Sciences comprises four fields: the biological sciences, engineering, mathematics and the physical sciences. The general aim of the Division is to foster an appreciation of the material world as a masterpiece of God's creation and thereby to make an integral contribution to the program of general education.

Both the divisional and departmental courses are designed to enable the student to obtain: 1. Factual information about the material world. 2. An understanding of the difficulties involved in gaining this information and a knowledge of some of the methods used for overcoming such difficulties. 3. An ability to comprehend and to evaluate critically statements concerning the subject matter of the sciences. 4. Knowledge of some accepted solutions to the problems posed by time and quantity, the physical world and living organisms, and the application of these solutions to the problems of modern living.

The departmental courses have these further purposes: 1. To develop skill in the generally accepted methods of scientific investigation. 2. To prepare the student for work in graduate or professional schools. 3. To meet the needs of those students who are preparing for entrance into certain vocational fields upon graduation.

The Division of Natural Sciences offers a major sequence leading to the A.B. or B.S. degree in each of the following Departments: Biology, Chemistry, Geology, and Mathematics. Engineering students may receive the A.B. degree by completing one of the engineering programs described on pages 88-98.

Students majoring in the natural sciences will substitute the prerequisite departmental courses on the lower level for the nine semester hours of divisional courses in natural sciences otherwise demanded in fulfillment of the requirement in general education.

A group major in biology-chemistry is offered by the Division for pre-medical students. The minimum requirement is thirty-six hours in upper-level courses in biology and chemistry so distributed as to include a minimum of sixteen in each department. This group major must include the following upper-level courses: Biology 39, 43-44, and Chemistry 31-32, 33, and 41. No minor sequence is required.

The Division offers also a group major in mathematics-physics. The minimum requirement is thirty-six semester hours in upper-level courses chosen by the student in consultation with the Chairman of the Division. Mathematics 31, 34, 41, and Physics 31, 41-42, and 44 must always be included. No minor sequence is required.

DIVISIONAL COURSES

2. Principles of Biological Science 3 hours

This course, designed for the student who does not intend to major in the natural sciences, affords him an opportunity to obtain some understanding and appreciation of the basic principles of biological science and an acquaintance with some of the more commonly known plant and animal forms. These are studied in their relation to man as a living entity sharing certain functions with them, dependent upon them for nutrition, clothing, medicine, and industrial processes, or guarding himself against them for purposes of health.

3-4. Principles of Physical Science 6 hours

This course, for the student who does not intend to major in the natural sciences, deals with the chief concepts, theories, and laws by which physical scientists explain the phenomena of the external world in so far as these serve as a background for the understanding of our technical civilization. The topics are selected from physics, astronomy, chemistry, geology, and mathematics.

30. Conservation of Natural Resources 3 hours

This course deals with the following natural resources and their conservation: land, water, forests, animal, mineral and human.

DEPARTMENT OF BIOLOGY

The departmental courses in biology are intended to help the student acquire: 1. A knowledge of the basic principles of the biological sciences and some skill in the application of the scientific method to biological problems. 2. The necessary background for work in graduate or professional schools of medicine, dentistry, or biological science. 3. The biological background for certain professional careers such as teaching biology in secondary schools or working with biological surveys and in museum laboratories.

The minimum requirement in upper-level courses for a major sequence in biology is twenty-four semester hours; for a minor sequence, twelve semester hours.

Majors in biology must show credit in Chemistry 31-32 and Physics 21-22. Pre-medical students must show four semesters of credit, or the equivalent, in a modern foreign language. German and French are recommended.

Laboratory fees: Biology 1, 2, 3, and 12, each \$5.00. Biology 31, 32, 34, 39, 40, 41, 43, 44, 45, and 51, each \$7.50.

COURSES IN BIOLOGY

1. Introductory Zoology 4 hours

The fundamental principles of animal biology and a study of appropriate type forms illustrating the various phyla, with stress on laboratory exercises. Two lectures and two two-hour laboratory periods each week. Students majoring in one of the natural sciences may substitute this course for the divisional course in biological science.

2. Introductory Botany 4 hours

The fundamentals of plant biology including the identification of some of the more common plants and trees, a study of the structure and physiology of plants, and an introduction to the Mendelian laws of heredity. Two lectures and two two-hour laboratory periods each week.

3. Introductory Biology 4 hours

A brief course in general biology intended primarily for physical education students. The course includes a study of some typical plant and animal forms together with an introduction to the study of human biology. Not open to students showing credit in Biology 1. This course may be substituted for the divisional course, Principles of Biological Science, by students planning to major in physical education. Three lectures and one two-hour laboratory period each week.

12. Human Anatomy and Physiology 4 hours

An introductory course intended primarily for physical education majors. The course is recommended for students preparing to teach biology or health in high school. Three lectures and one two-hour laboratory period each week.

Prerequisite: Biology 3 or 1.

15. Personal and Community Health 3 hours

Personal health and the prevention of disease in the family and community; relation of sanitation and disease control to community health; communicable diseases. Three lecture periods each week.

31-32. Comparative Vertebrate Anatomy 6 hours

The study of type forms of different classes of vertebrates, from the viewpoint of the morphological relationships of the various

**Suggested Program of Courses for the A.B. or B.S. Degree
with Biology as Major and Chemistry as Minor Sequence ****

FRESHMAN YEAR

	Semester		
	Hours		
Biology 1, 2, -----	4	4	Zoology; Botany
Chemistry 1, 2 -----	4	4	General Inorganic; Qualitative
English 3-4 -----	3	3	Rhetoric and Composition
Mathematics 1, 3 -----	3	3	Algebra; Trigonometry
Philosophy 12 -----		3	Logic
Religion 1 -----	3		Christian Morality
	—	—	
	17	17	

SOPHOMORE YEAR

Biology 31-32 -----	3	3	Comparative Vertebrate Anatomy
Humanities 21 or 23 or 25 -----	3		English Literature; World Literature; Music Art Forms
Philosophy 21 -----		3	General Psychology
Physics 21-22 -----	4	4	College Physics
Religion 25, 26 -----	3	3	Dogma; Sacraments
Social Science 1-2 -----	3	3	Development of Western Institutions
Speech 12 -----		2	Fundamentals of Speech
	—	—	
	16	18	

JUNIOR YEAR

Biology 33, 34 -----	2	2	History of Medicine; Microtechnique
Biology 39, 40 -----	4	4	Embryology; Animal Histology
Chemistry 31-32 -----	4	4	Organic Chemistry
German 1-2 -----	3	3	Introductory German
Humanities 20 or 22 or 24 -----		3	Literary Art Forms; English Literature; World Literature
Philosophy 31 -----	3		Metaphysics
	—	—	
	16	16	

SENIOR YEAR

Biology 43-44 -----	4	4	Bacteriology
Biology 51 -----	3		Honors Seminar
Chemistry 33 or 41 -----	4		Quantitative Analysis; Elementary Phys- ical Chemistry
Chemistry 34 or 42 -----		4	Adv. Quantitative; Biochemistry
German 21, 26 -----	3	3	Intermediate; Scientific German
Philosophy, upper level -----	3		
Religion 30 -----		3	Christian Marriage
Social Science, upper level -----		3	History; Sociology
	—	—	
	17	17	

** Students who prefer a group major in biology-chemistry will take Chemistry 41 in the junior year in place of Biology 33.

organs and systems. One lecture and two two-hour laboratory periods each week.

Prerequisite: Biology 1.

33. History of Medicine 2 hours

A survey of the development of medical science from the earliest times to the present day. Particular interest is centered on a review of the developments and an examination of the trends in American medicine. Two lecture periods each week.

Prerequisite: Biology 1.

34. Microtechnique 2 hours

Principles and practice in the preparation of animal and plant tissues and small organisms for microscopic study. Two two-hour laboratory periods each week.

Prerequisites: Biology 1 or 2, and Chemistry 2.

38. Genetics 3 hours

A study of the general principles of heredity and the operation of hereditary factors in the origin and development of species and of individual traits. Special emphasis is placed on human heredity and the analysis of family pedigrees.

Prerequisite: Biology 1 or 2.

39. Embryology 4 hours

Laboratory study of the developmental anatomy of frog, chick, and pig embryos. Lecture emphasis is placed on an analysis of the processes of development and a study of elementary experimental embryology. Two lectures and two two-hour laboratory periods each week.

Prerequisite: Biology 32.

40. Animal Histology 4 hours

A microscopic study of normal vertebrate tissues and organs, with special reference to human tissues. Two lectures and two two-hour laboratory periods each week.

Prerequisites: Biology 32 and Chemistry 2.

41. Invertebrate Zoology 4 hours

A study of the characteristics and relationships of representative species of invertebrates with reference to classification. This course includes some field work in ecological study, collection of specimens, their identification and preparation for laboratory and museum display. Primarily intended as a background for teaching biology. Three lectures and one three-hour laboratory period each week.

Prerequisite: Biology 1.

43-44. Microbiology**8 hours**

A study of bacterial structure, life activities, and classification, together with the principles of immunology. Laboratory methods of culture, isolation, and identification of various organisms, particularly enteric forms; water, milk, soil, and food bacteriology. Two lectures and two two-hour laboratory periods each week.

Prerequisites: Biology 2 and Chemistry 2.

45. Vertebrate Physiology**4 hours**

A study of vertebrate physiology with special reference to human functions. Designed primarily for pre-medical students and others whose field of concentration is biology. Selected laboratory experiments. Two lectures and two two-hour laboratory periods each week.

Prerequisites: Biology 1 and Chemistry 2.

47. General Physiology**4 hours**

The physiological processes at the organismic level are analyzed and correlated with the simpler manifestations at the cell level. Among the topics discussed are the structure and composition of cells, reactions of organisms to the environment, adjustment and maintenance of the internal environment, energy sources and utilization of energy for movement, production of electricity. Two lectures and two two-hour laboratory periods each week.

51. Honors Seminar in Biology**3 hours**

DEPARTMENT OF CHEMISTRY

The courses in the Department of Chemistry are designed to help the student: 1. To understand and appreciate, by means of basic courses, the principles of chemistry. 2. By means of carefully supervised laboratory work and by an introduction to the literature of the field: a) to observe carefully and accurately natural phenomena. b) to realize and appreciate the problem of the application of the theoretical principles to actual experimental work. 3. By a study of the literature and by means of a minor research problem to initiate the development of the skills and attitudes requisite for research in the field of chemistry. 4. To meet the basic requirements in chemistry for entrance into graduate school, medical school, or industrial chemistry.

The minimum requirement for a major sequence in chemistry is twenty-four semester hours on the upper level, including courses in organic, quantitative analysis, and physical chemistry. For a

**Suggested Program of Courses for the A.B. or D.S. Degree
with Chemistry as Major and Mathematics as Minor Sequence**

FRESHMAN YEAR

	Semester		
	Hours		
Chemistry 3, 4 -----	5	5	General Chemistry and Qualitative Analysis
English 3-4 -----	3	3	Rhetoric and Composition
Mathematics 1, 3, 4 -----	6	3	Algebra, Trigonometry; Analytics
Philosophy 12 -----		3	Logic
Religion 1 -----	3		Christian Morality
Speech 12 -----		2	Fundamentals of Speech
	—	—	
	17	16	

SOPHOMORE YEAR

Chemistry 31-32 -----	4	4	Organic Chemistry
German 1-2 -----	3	3	Introductory German
Mathematics 21, 22 -----	3	3	Differential and Integral Calculus
Physics 21-22 -----	4	4	College Physics
Religion 25, 26 -----	3	3	Dogma; Sacraments
	—	—	
	17	17	

JUNIOR YEAR

Chemistry 33, 34 -----	4	4	Quantitative; Adv. Quantitative Analysis
Chemistry 37, 38 -----	1	1	Literature of Chemistry; Pro-seminar
Chemistry 48 -----		2	Advanced Inorganic Chemistry
German 21, 26 -----	3	3	Intermediate; Scientific German
Mathematics 33 or 41 -----	3		College Geometry; Theory of Equations
Philosophy 21, 31 -----	3	3	Psychology; Metaphysics
Social Science 1-2 -----	3	3	Development of Western Institutions
	—	—	
	17	16	

SENIOR YEAR

Chemistry 45-46 -----	4	4	Physical Chemistry
Chemistry 49-50 (or 51) -----	1	1	Research in Chemistry
Humanities -----	3	3	Required Electives
Mathematics 31 -----	3		Calculus II
Mathematics 33 or 41 -----	3		College Geometry; Theory of Equations
Religion, upper level -----		3	Christian Marriage; Church History; Sacred Scripture
Social Science, upper level -----		3	History; Sociology
Elective, upper level -----		3	Mathematics or Social Science
	—	—	
	17	17	

minor sequence twelve semester hours in upper-level courses, including Chemistry 33, are required.

The following are prerequisite for upper-level courses, or requisite for graduation: Chemistry 3, 4, 38, and either 49 or 51. It is further necessary for a student majoring in chemistry to show credit in Mathematics 1, 3, 4, 21, 22, or in Physics 21-22. Two years of college German, or the equivalent, must be completed.

Unless otherwise noted, laboratory periods are three-hour periods. Laboratory fees: Chemistry 1, 2, 3, 4, 41, 45, and 46, each \$7.50. Chemistry 31, 32, 33, 34, 42, and 51, each \$10.00. Chemistry 49 and 50, each \$5.00.

COURSES IN CHEMISTRY

1. General Chemistry 4 hours

An introduction to the field of chemistry, the course stresses the atomic theory and general chemical laws and theories governing gases, liquids, solids, and solutions. The work in the laboratory consists of experiments involving inorganic reactions. Three lectures and one laboratory period each week.

2. Inorganic Chemistry and Qualitative Analysis 4 hours

A continuation of Chemistry 1, with emphasis on inorganic substances. The elements are studied individually and as members of related groups with the view of appreciating the relationships among all substances in nature. The laboratory work consists of qualitative analysis using a semi-micro technique for representative ions in the inorganic field. Three lectures and one laboratory period each week.

Prerequisite: Chemistry 1.

3-4. General Chemistry and Qualitative Analysis 10 hours

A more complete course in the fundamental principles of the science for Chemistry majors and for students preparing to enter Chemical Engineering or Metallurgy. The course stresses the theory involved in chemical activity. The second semester is devoted to the qualitative analysis of representative cations and anions. Four lectures and one laboratory period each week.

31-32. Organic Chemistry 8 hours

A study of the structure, reactions, and properties of the aliphatic and aromatic carbon compounds. The applications of organic chemistry in industry and medicine are emphasized. In the laboratory the important methods and techniques are stressed. The material presented in the lectures is illustrated by the preparation and identi-

fication of typical compounds. Three lectures and one laboratory period each week.

Prerequisite: Chemistry 1 and 2.

33. Quantitative Analysis 4 hours

A study of the theoretical principles upon which analytical methods are based and an explanation and application of the calculations involved. In the laboratory the standard volumetric and gravimetric procedures are used. Two lectures and two laboratory periods each week.

Prerequisites: Chemistry 1 and 2.

34. Advanced Quantitative Analysis 4 hours

An advanced study of quantitative analysis. The laboratory work includes calibration of weights and volumetric apparatus. Some use is made of instrument analysis by the use of electrolytic, calorimetric, and electrometric titration procedures. Two lectures and two laboratory periods each week.

Prerequisite: Chemistry 33.

35. Advanced Inorganic Chemistry 2 hours

An introduction to the quantum theory and an application of quantum restrictions to chemical phenomena. This is followed by a treatment on photo energy and a discussion of the periodic classification of the elements and the arrangement of the periodic chart.

Prerequisites: Chemistry 1 and 2.

37. Literature of Chemistry 1 hour

The purpose of the course is to acquaint the student with the literature of the field. Weekly library reports based on the study of periodicals and reference works are required.

38. Pro-seminar in Chemistry 1 hour

The purpose of the course is to acquaint students majoring in chemistry with library research. Students are also introduced to the norms and procedures for writing a research report.

Prerequisite: Chemistry 37.

39. Advanced Organic Chemistry 2 hours

A continuation of Chemistry 32, the course deals with reaction mechanisms. Class discussions, requiring extensive use of the library facilities, on advanced organic reactions and laboratory procedures are held. Two lectures each week. (Offered in 1958-59.)

Prerequisite: Chemistry 31-32.

41. Elementary Physical Chemistry**4 hours**

A course intended primarily for students who lack the mathematical preparation for the more extensive course, Chemistry 45-46. The principles of physical chemistry are treated from a descriptive viewpoint with emphasis on solutions, colloids, and physical structure. This course may not be counted toward a major in chemistry. Three lectures and one laboratory period each week.

Prerequisites: Chemistry 1, 2, 33, and Physics 21-22.

42. Biochemistry**4 hours**

A study of the composition of organisms, of the food materials required by them, and the chemical changes attending the transformation of these food materials into the substances composing these organisms. Three lectures and one laboratory period each week.

Prerequisite: Chemistry 31-32.

45-46. Physical Chemistry**8 hours**

A fundamental course based on the principles of physical chemistry. The role of energy in chemical reactions is treated both from the descriptive and the analytical viewpoints. Three lectures and one laboratory period each week.

Prerequisites: Chemistry 1, 2, 33, Mathematics 21, 22, and Physics 21-22.

49-50. Research in Chemistry**2 hours**

Early in the first semester, topics for research problems are chosen. Throughout the year, library research is pursued. Progress reports are made and discussed.

Prerequisites: A reading knowledge of German, Chemistry 37 and 38.

51. Honors Seminar in Chemistry**3 hours**

An alternate course for Chemistry 49-50, open to students who have made a B average in the chemistry courses of the junior year.

Prerequisites: A reading knowledge of German, Chemistry 37 and 38.

ENGINEERING

FIVE-YEAR ENGINEERING PROGRAMS

The following programs enable students to combine a liberal arts course at Saint Joseph's College with education in Engineering at a University or Technical School. Under this plan, the student attends Saint Joseph's for three years and then transfers to the Engineering School for the completion of advanced courses in a particular field of engineering. Agreements on this 3-2 program have been completed with the following: Illinois Institute of Technology, Notre Dame University, Purdue University and Rose Polytechnic Institute.

Upon the successful completion of the requirements from Saint Joseph's, the candidate will receive the Bachelor of Arts degree, and, upon the successful completion of the five-year course, the Bachelor of Science in Engineering from the school to which he has transferred. The B. A. degree for Aeronautical, Civil, Electrical, Mechanical and Metallurgical engineering is given in Mathematics-Physics; for Agriculture and Food Engineering, in Biology-Chemistry; for Chemical Engineering, in Chemistry; for Fire Protection and Safety, and for Industrial Engineering, in Economics.

Students in the 3-2 program are accepted at these engineering schools only on recommendation of the Dean's Committee on Engineering. They must submit a formal application for transfer to an engineering school in the fall semester of their junior year. Those who fail to meet these requirements or special requirements listed below under the various Engineering Programs will be considered as transfer students.

The 3-2 Engineering student is subject to all graduation requirements. In place of the Comprehensive Examination, however, he should plan to take the Graduate Record Examination (Area Tests in Humanities, Natural Science and Social Science and the Advanced Test in Engineering or Agriculture). This test can be taken at Saint Joseph's (consult College Calendar) or at an authorized testing center, but no earlier than the eighth semester of the Engineer's course of studies. His scores on the Graduate Record Examination will be submitted for approval to the Division of Natural Sciences.

Agreements in acceptance of the 3-2 program have been completed with the following schools:

Illinois Institute of Technology. The following branches of Engineering: Chemical; Civil; Electrical; Fire Protection and Safety; Food; Industrial; Mechanical.

Requirements: a) Recommendation by the Dean's Committee on Engineering.

b) Special course requirements as indicated in the programs below.

Notre Dame University. The following branches of Engineering: Aeronautical; Chemical; Civil; Electrical; Mechanical; Metallurgical.

Requirements: a) Recommendation by the Dean's Committee on Engineering plus a 2.6 cumulative index at St. Joseph's College.

b) Students must have foreign language credit either in high school or college.

Purdue University. a) A 3-2 Program in Agriculture.

b) The following branches of Engineering; Aeronautical; Chemical; Civil; Electrical; Mechanical; Metallurgical.

Requirements: a) Recommendation by the Dean's Committee on Engineering.

b) A 2.0 cumulative index at Saint Joseph's College.

Rose Polytechnic Institute. The following branches of Engineering; Chemical; Electrical; Mechanical.

Requirements: a) Recommendation by the Dean's Committee on Engineering.

b) A 2.6 cumulative index at Saint Joseph's College.

Approved Sequence of Courses for the First Three Years of the
Aeronautical Engineering Program.*

(Notre Dame University; Purdue University)

FRESHMAN YEAR

	Semester Hours		
Chemistry 1, 2 -----	4	4	General Chemistry and Qualitative Analysis
English 3-4 -----	3	3	Rhetoric and Composition
Mathematics 1, 3, 4 -----	6	3	Algebra; Trigonometry; Analytics
Philosophy 12, 21 -----	3	3	Logic; Psychology
Religion 1 -----		3	Christian Morality
Speech 12 -----		2	Fundamentals of Speech
	—	—	
	16	18	

SOPHOMORE YEAR

English 27 -----	3		Business and Technical Writing
Mathematics 21, 22 -----	3	3	Differential and Integral Calculus
Philosophy 31 -----		3	Metaphysics
Physics 23-24 -----	5	5	Engineering Physics
Religion 25, 26 -----	3	3	Dogma; Sacraments
**Social Science 1-2 -----	3	3	Development of Western Institutions
Speech 21 -----	1		Advanced Speech
	—	—	
	18	17	

JUNIOR YEAR

Humanities -----	3	3	Required Elective
Mathematics 9, 10 -----	3	3	Mechanical Drawing; Descriptive Geometry
Mathematics 31, 33 -----	6		Calculus II; College Geometry
Mathematics 41, 34 -----	3	3	Theory of Equations; Differential Equations
Philosophy, Upper Level -----	3		Required Elective
Physics 44 -----		3	Statics
Physies, Upper Level -----	3		Required Elective
Religion, Upper Level -----		3	Required Elective
	—	—	
	18	18	

* It may be helpful for students to know that the first three years of the Aeronautical, Civil and Mechanical Program are the same.

** Students planning to attend Illinois Institute of Technology choose Economics 21-22 instead of Social Science 1-2.

Approved Sequence of Courses for the First Three Years of the
Combined Program in Agriculture.
(Purdue University)

FRESHMAN YEAR

	Semester		
	Hours		
Biology 1, 2 -----	4	4	Introductory Zoology; Botany
Chemistry 1, 2 -----	4	4	General Inorganic; Qualitative
English 3-4 -----	3	3	Rhetoric and Composition
Mathematics 1, 3 -----	3	3	Algebra; Trigonometry
Philosophy 12 -----	3		Logic
Religion 1 -----		3	Christian Morality
	—	—	
	17	17	

SOPHOMORE YEAR

Chemistry 31-32 -----	4	4	Organic Chemistry
Economics 1 -----	3		Principles of Economics
Mathematics 4 -----		3	Analytical Geometry
Philosophy 21 -----	3		General Psychology
Philosophy 31 -----		3	Metaphysics
Physics 21-22 -----	4	4	College Physics
Religion 25, 26 -----	3	3	Dogma; Sacraments
	—	—	
	17	17	

JUNIOR YEAR

Biology 43-44 -----	4	4	Bacteriology
English 27 -----	3		Business and Technical Writing
Geology 1 -----	4		Physical Geology
Humanities -----	3	3	Required Elective
Philosophy, Upper Level -----		3	Required Elective
Religion, Upper Level -----		3	Required Elective
Social Science 1-2 -----	3	3	Development of Western Institutions
Speech 12 -----		2	Fundamentals of Speech
	—	—	
	17	18	

Approved Sequence of Courses for the First Three Years of the Chemical Engineering Program.

(Illinois Institute of Technology; Notre Dame University;
Purdue University; Rose Polytechnic Institute)

FRESHMAN YEAR

	Semester Hours		
Chemistry 3-4 -----	5	5	Gen. Chemistry and Qual. Analysis
English 3-4 -----	3	3	Rhetoric and Composition
Mathematics 1, 3, 4 -----	6	3	Algebra; Trigonometry; Analytics
Philosophy 12, 21 -----	3	3	Logic; Psychology
Religion 1 -----		3	Christian Morality
	17	17	

SOPHOMORE YEAR

Chemistry 33 -----	4		Quantitative Analysis
Mathematics 21, 22 -----	3	3	Differential and Integral Calculus
Philosophy 31 -----		3	Metaphysics
Physics 23-24 -----	5	5	Engineering Physics
Religion 25, 26 -----	3	3	Dogma; Sacraments
* Social Science 1-2 -----	3	3	Development of Western Institutions
Speech 12 -----		2	Fundamentals of Speech
	18	19	

JUNIOR YEAR

Chemistry 31-32 -----	4	4	Organic Chemistry
Chemistry 37, 38 -----	1	1	Literature of Chemistry; Pro-seminar
** English 27 -----	3		Business and Technical Writing
Humanities 21-22; 23-24; 20 -----	3	3	Required Elective
Mathematics 9, 10 -----	3	3	Mechanical Drawing; Descriptive Geometry
Philosophy, Upper Level -----	3		Required Elective
*** Physics 44 -----		3	Statics
Religion, Upper Level -----		3	Required Elective
	17	17	

* Students planning to attend Illinois Institute of Technology choose Economics 21-22 instead of Social Science 1-2.

** Students planning to attend Illinois Institute of Technology choose an upper level Mathematics course. In their fifth or sixth semester these students take Chemistry 205 (Fuels and Stoichiometry) at the Institute.

*** Students planning to attend Rose Polytechnic Institute should take Mathematics 34, Differential Equations.

Approved Sequence of Courses for the First Three Years of the Civil Engineering Program.

(Illinois Institute of Technology; Notre Dame University;
Purdue University)

FRESHMAN YEAR

	Semester		
	Hours		
Chemistry 1, 2 -----	4	4	General Chemistry; Qualitative
English 3-4 -----	3	3	Rhetoric and Composition
Mathematics 1, 3, 4 -----	6	3	Algebra; Trigonometry; Analytics
Philosophy 12, 21 -----	3	3	Logic; Psychology
Religion 1 -----		3	Christian Morality
Speech 12 -----		2	Fundamentals of Speech
	<hr/>		
	16	18	

SOPHOMORE YEAR

English 27 -----	3		Business and Technical Writing
Mathematics 21, 22 -----	3	3	Differential and Integral Calculus
Philosophy 31 -----		3	Metaphysics
Physics 23-24 -----	5	5	Engineering Physics
Religion 25, 26 -----	3	3	Dogma; Sacraments
Humanities -----	3	3	Required Elective
Speech 21 -----	1		Advanced Speech
	<hr/>		
	18	17	

JUNIOR YEAR

** Social Science 1-2 -----	3	3	Development of Western Institutions
Mathematics 9, 10 -----	3	3	Mechanical Drawing; Descriptive Geometry
Mathematics 31, 33 -----	6		Calculus II; College Geometry
Mathematics 41, 34 -----	3	3	Theory of Equations; Differential Equations
Philosophy, Upper Level -----		3	Required Elective
Physics 44 -----		3	Statics
Physics, Upper Level -----	3		Required Elective
Religion, Upper Level -----		3	Required Elective
	<hr/>		
	18	18	

* It may be helpful for students to know that the first three years of the Aeronautical, Civil and Mechanical Programs are the same.

** Students planning to attend Illinois Institute of Technology choose Economics 21-22 instead of Social Science 1-2.

Approved Sequence of Courses for the First Three Years of the
Electrical Engineering Program.

(Illinois Institute of Technology; Notre Dame University;
Purdue University; Rose Polytechnic Institute)

FRESHMAN YEAR

	Semester Hours		
Chemistry 1, 2 -----	4	4	General Inorganic; Qualitative
English 3-4 -----	3	3	Rhetoric and Composition
Mathematics 1, 3, 4 -----	6	3	Algebra; Trigonometry; Analytics
Philosophy 12, 21 -----	3	3	Logic; Psychology
Religion 1 -----		3	Christian Morality
Speech 12 -----		2	Fundamentals of Speech
	—	—	
	16	18	

SOPHOMORE YEAR

* English 27 -----	3		Business and Technical Writing
Mathematics 21, 22 -----	3	3	Differential and Integral Calculus
Philosophy 31 -----		3	Metaphysics
Physics 23-24 -----	5	5	Engineering Physics
Religion 25-26 -----	3	3	Dogma; Sacraments
Humanities -----	3	3	Required Elective
Speech 21 -----	1		Advanced Speech
	—	—	
	18	17	

JUNIOR YEAR

** Social Science 1-2 -----	3	3	Development of Western Institutions
Mathematics 9, 10 -----	3	3	Mechanical Drawing; Descriptive Geometry
Mathematics 31, 33 -----	6		Calculus II; College Geometry
Mathematics 41, 34 -----	3	3	Theory of Equations; Differential Equations
Philosophy, upper level -----		3	Required Elective
Physics 31, 44 -----	3	3	Electric Circuits; Statics
Religion, upper level -----		3	Required Elective
	—	—	
	18	18	

* Students planning to attend Illinois Institute of Technology choose Accounting I instead of English 27; in their 7th or 8th semester course work at the Institute, these students take M.E. 322 (Production Methods).

** Students planning to attend Illinois Institute of Technology choose Economics 21-22 instead of Social Science 1-2.

Approved Sequence of Courses for the First Three Years of the
Fire Protection and Safety Engineering Program.

(Illinois Institute of Technology)

FRESHMAN YEAR

	Semester		
	Hours		
Chemistry 3-4 -----	5	5	General Chemistry and Qualitative Analysis
English 3-4 -----	3	3	Rhetoric and Composition
Mathematics 1, 3, 4 -----	6	3	Algebra; Trigonometry; Analytics
Philosophy 12, 21 -----	3	3	Logic; Psychology
Religion 1 -----		3	Christian Morality
	—	—	
	17	17	

SOPHOMORE YEAR

Economics 21-22 -----	3	3	Principles of Economics
Humanities -----	3	3	Required Elective
Mathematics 21-22 -----	3	3	Differential and Integral Calculus
Physics 23-24 -----	5	5	Engineering Physics
Religion 25-26 -----	3	3	Dogma; Sacraments
	—	—	
	17	17	

JUNIOR YEAR

Chemistry 31-32 -----	4	4	Organic Chemistry
Economics 41 -----	3		Insurance and Risk
Mathematics 9, 10 -----	3	3	Mechanical Drawing; Descriptive Geometry
Mathematics, Upper Level -----	3		Required Elective
Philosophy 31 -----	3		Metaphysics
Philosophy, Upper Level -----		3	Required Elective
Physics 44 -----		3	Statics
Religion, Upper Level -----		3	Required Elective
Speech 12 -----		2	Fundamentals of Speech
	—	—	
	16	18	

Approved Sequence of Courses for the First Three Years of the
Food Engineering Program.*

(Illinois Institute of Technology)

FRESHMAN YEAR

	Semester		
	Hours		
Biology 1-2 -----	4	4	Zoology; Botany
Chemistry 3-4 -----	5	5	General Chemistry and Qualitative Analysis
English 3-4 -----	3	3	Rhetoric and Composition
Mathematics 1, 3, 4 -----	6	3	Algebra; Trigonometry; Analytics
Religion 1 -----		3	Christian Morality
	—	—	
	18	18	

SOPHOMORE YEAR

Chemistry 31-32 -----	4	4	Organic Chemistry
Mathematics 21, 22 -----	3	3	Differential and Integral Calculus
Philosophy 12, 21 -----	3	3	Logic; Psychology
Physics 23-24 -----	5	5	Engineering Physics
Religion 25-26 -----	3	3	Dogma; Sacraments
	—	—	
	18	18	

JUNIOR YEAR

Chemistry 33 -----	4		Quantitative Analysis
Economics 21-22 -----	3	3	Principles of Economics
Humanities -----	3	3	Required Elective
Mathematics 9, 10 -----	3	3	Mechanical Drawing; Descriptive Geometry
Mathematics, Upper Level -----		3	Required Elective
Philosophy 31 -----	3		Metaphysics
Philosophy, Upper Level -----		3	Required Elective
Religion, Upper Level -----		3	Required Elective
Speech 12 -----	2		Fundamental of Speech
	—	—	
	18	18	

* In their 7th or 8th semester at the Illinois Institute of Technology, these students choose Stoichiometry.

**Approved Sequence of Courses for the First Three Years of the
Industrial Engineering Program.***

(Illinois Institute of Technology)

FRESHMAN YEAR

	Semester Hours		
Business Ad. 1-2 -----	2	2	Introduction to Business
Chemistry 1, 2 -----	4	4	General Chemistry; Qualitative
English 3-4 -----	3	3	Rhetoric and Composition
Mathematics 1, 3, 4 -----	6	3	Algebra; Trigonometry; Analytics
Philosophy 12, 21 -----	3	3	Logic; Psychology
Religion 1 -----		3	Christian Morality
	—	—	
	18	18	

SOPHOMORE YEAR

Accounting 1-2 -----	3	3	Principles of Accounting
Economics 21-22 -----	3	3	Principles of Economics
Mathematics 21, 22 -----	3	3	Differential and Integral Calculus
Physics 23-24 -----	5	5	Engineering Physics
Religion 25, 26 -----	3	3	Dogma; Sacraments
Speech 12 -----		2	Fundamentals of Speech
	—	—	
	17	19	

JUNIOR YEAR

Accounting 45 -----	2		Cost Accounting
English 27 -----	3		Business and Technical Writing
Humanities -----	3	3	Required Elective
Mathematics 9, 10 -----	3	3	Mechanical Drawing, Descriptive Geometry
Mathematics, Upper Level -----	3		Required Elective
Philosophy 31 -----	3		Metaphysics
Philosophy, Upper Level -----		3	Required Elective
Physics 44 -----		3	Statics
Religion, Upper Level -----		3	Required Elective
Social Science 40 -----		3	Catholic Social Principles
	—	—	
	17	18	

* Students planning to attend Illinois Institute of Technology will take P.S. 240, American Constitutional System and B.E. 427, Engineering Economics in their 5th and 6th semester at the Institute.

Approved Sequence of Courses for the First Three Years of the
Mechanical Engineering Program.

(Illinois Institute of Technology; Notre Dame University;
Purdue University; Rose Polytechnic Institute)

FRESHMAN YEAR

	Semester		
	Hours		
Chemistry 1, 2 -----	4	4	General Chemistry; Qualitative
English 3-4 -----	3	3	Rhetoric and Composition
Mathematics 1, 3, 4 -----	6	3	Algebra; Trigonometry; Analytics
Philosophy 12, 21 -----	3	3	Logic; Psychology
Religion 1 -----		3	Christian Morality
Speech 12 -----		2	Fundamentals of Speech
	—	—	
	16	18	

SOPHOMORE YEAR

English 27 -----	3		Business and Technical Writing
Mathematics 21, 22 -----	3	3	Differential and Integral Calculus
Philosophy 31 -----		3	Metaphysics
Physics 23-24 -----	5	5	Engineering Physics
Religion 25, 26 -----	3	3	Dogma; Sacraments
** Social Science 1-2 -----	3	3	Development of Western Institutions
Speech 21 -----	1		Advanced Speech
	—	—	
	18	17	

JUNIOR YEAR

Humanities -----	3	3	Required Elective
Mathematics 9, 10 -----	3	3	Mechanical Drawing; Descriptive Geometry
Mathematics 31, 33 -----	6		Calculus II; College Geometry
Mathematics 41, 34 -----	3	3	Theory of Equations; Differential Equations
Philosophy, Upper Level -----	3		Required Elective
Physics 44 -----		3	Statics
Physics, Upper Level -----	3		Required Elective
Religion, Upper Level -----		3	Required Elective
	—	—	
	18	18	

* It may be helpful for students to know that the first three years of the Aero-
nautical, Civil and Mechanical Programs are the same.

** Students planning to attend Illinois Institute of Technology choose Economics
21-22 instead of Social Science 1-2.

Approved Sequence of Courses for the First Three Years of the
Metallurgical Engineering Program.

(Notre Dame University; Purdue University)

FRESHMAN YEAR

	Semester		
	Hours		
Chemistry 3-4 -----	5	5	General Chemistry and Qualitative Analysis
English 3-4 -----	3	3	Rhetoric and Composition
Mathematics 1, 3, 4 -----	6	3	Algebra; Trigonometry; Analytics
Philosophy 12, 21 -----	3	3	Logic; Psychology
Religion 1 -----		3	Christian Morality
	—	—	
	17	17	

SOPHOMORE YEAR

German 1-2 -----	3	3	Introductory German
Mathematics 21, 22 -----	3	3	Differential and Integral Calculus
Physics 23-24 -----	5	5	Engineering Physics
Religion 25, 26 -----	3	3	Dogma; Sacraments
Social Science 1-2 -----	3	3	Development of Western Institutions
Speech 12 -----		2	Fundamentals of Speech
	—	—	
	17	19	

JUNIOR YEAR

Chemistry 33, 48 -----	4	2	Quantitative Analysis; Advanced Inorganic Chemistry
Chemistry 37, 38 -----	1	1	Literature of Chemistry; Pro-seminar
English 27 -----	3		Business and Technical Writing
German 21 -----	3		Intermediate German
Humanities -----	3	3	Required Elective
Mathematics 9 -----	3		Mechanical Drawing
Philosophy 31 -----	3		Metaphysics
Philosophy, Upper Level -----		3	Required Elective
Physics 44 -----		3	Statics
Religion, Upper Level -----		3	Required Elective
	—	—	
	17	18	

DEPARTMENT OF GEOLOGY

In addition to their contribution to general education the courses in geology are designed to prepare the student for entrance into graduate school or specific occupational fields. In this latter respect the courses are intended to prepare the student for a position with the United States Civil Service Commission, to enable him to work with the United States Geological Survey and State Geological Surveys, or to train him for employment in the petroleum or mining industries, or with the National Park Service, either in the field or in the home laboratory.

The minimum requirement for a major is twenty-four semester hours in upper-level courses including Geology 39, 43 and 44. For a minor sequence, twelve semester hours in upper-level courses are required.

Students majoring in Geology must show credit in or give evidence of sufficient knowledge of Physics 21-22, Chemistry 1, 2, and Mathematics 1, 3.

Laboratory fees: Geology 1 and 2, each \$5.00. Geology 33, 34, 41, 42, and 44, each \$7.50.

COURSES IN GEOLOGY

1. Physical Geology 4 hours

This course introduces the student to the field of geology through a study of the following topics: rock weathering, mass wasting, sculpture of lands by streams, subsurface water, lakes and swamps, glaciation, erosion and deposition by the wind, marine erosion, volcanoes, deformation of the earth's crust, earthquakes, metamorphism, land forms, the common rocks and minerals, topographic maps. Three lectures and one laboratory period each week.

2. Historical Geology 4 hours

A further introduction to the field of geology through a study of the following topics: earth history recorded in the rocks, the constant change of living things, the scale of time, the Precambrian, Paleozoic, Mesozoic, and Cenozoic world, fossils, geologic folios, land forms. Three lectures and one laboratory period each week.

Prerequisite: Geology 1.

33. Mineralogy 4 hours

A course dealing with physical, chemical, descriptive, economic, and determinative mineralogy, and the fundamentals of crystallography. Two lectures and two laboratory periods each week.

Prerequisite: Chemistry 1-2.

**Suggested Program of Courses for the A.B. or B.S. Degree
with Geology as Major Sequence ***

FRESHMAN YEAR

	Semester		
	Hours		
Chemistry 1, 2 -----	4	4	General Inorganic, Qualitative
English 3-4 -----	3	3	Rhetoric and Composition
Geology 1, 2 -----	4	4	Physical; Historical
Mathematics 1, 3 -----	3	3	Algebra; Trigonometry
Philosophy 12 -----		3	Logic
Religion 1 -----	3		Christian Morality
	—	—	
	17	17	

SOPHOMORE YEAR

Geology 33, 34 -----	4	3	Mineralogy; Petrology
Humanities 21-22, 23-24; 20; 25 --	3	3	(Required electives)
Mathematics 4 -----	3		Plane Analytical Geometry
Philosophy 21 -----		3	General Psychology
Physics 21-22 -----	4	4	College Physics
Religion 25, 26 -----	3	3	Dogma; Sacraments
	—	—	
	17	16	

JUNIOR YEAR

English 27 -----	3		Business and Technical Writing
Geology 35 -----	3		Geomorphology
Geology 41, 44 -----	3	3	Invertebrate Paleontology; Stratigraphy
Philosophy 31 -----		3	Metaphysics
Social Science 1, 2 -----	3	3	Development of Western Institutions
Minor Sequence -----	3	3	
Social Science -----	3		(upper or lower level elective)
Speech 12 -----		2	Fundamentals of Speech
	—	—	
	18	17	

SUMMER SESSION

Geology 39, Field Geology 8 hours

SENIOR YEAR

Geology 43, 42 -----	3	3	Structural Geology; Subsurface Geology
Geology 45 -----	3		Economic Geology
Geology 47-48 -----	1	1	Pro-seminar
Philosophy, upper level -----	3		(Required elective)
Religion, upper level -----		3	(Required elective)
Minor Sequence -----	3	3	
Electives -----	3	6	
	—	—	
	16	16	

* In planning the courses for the minor sequence, students must bear in mind the prerequisites for upper level courses. This may require certain adjustments in the sophomore year.

34. Petrology 3 hours

A study of the formation, occurrence, and characteristics of the common rocks together with their field identification. Two lectures and one laboratory period each week.

Prerequisite: Geology 1 and 33.

35. Geomorphology 3 hours

The study of the land forms produced by various geologic processes on the surface of the earth; the use of land forms in the interpretation of geologic history. Two lectures and one laboratory period each week. (Offered in 1958-59.)

Prerequisite: Geology 1.

39. Field Geology 8 hours

Geology of the Silver City Region, New Mexico. An eight weeks summer field course directed from the campus of St. Mary's Academy in Silver City. Field training in stratigraphy, structure, geomorphology and economic geology. Topographic mapping; geologic mapping with plane table, Brunton compass, topographic maps, and aerial photographs.

Prerequisite: Geology 1, 2; consent of the Director.

41. Invertebrate Paleontology 3 hours

Morphology, classification, geological significance of fossils; special study of index fossils of North America. Two lectures and one laboratory period each week.

Prerequisite: Geology 1 and 2.

42. Subsurface Geology 3 hours

A course on the subsurface geology of the occurrence and production of oil and other mineral bodies. Two lectures and one laboratory period each week.

Prerequisites: Geology 1, 2, 34, and 41.

43. Structural Geology 3 hours

A study of the framework of the earth's crust; the deformation of the earth, its causes and effects. Two lectures and one laboratory periods each week.

Prerequisites: Geology 1, 2, 34 and Mathematics 1, 3.

44. Stratigraphy 3 hours

Methods of description, classification and interpretation of faunal and facies changes; correlation of stratigraphic units, with emphasis on those of Indiana and Illinois. Laboratory and field

exercises in stratigraphic problems. Two lectures and one laboratory period each week.

Prerequisites: Geology 1, 2, 34, and 41.

45. Economic Geology 3 hours

A study of the general principles for the formation of mineral deposits, together with an application of these principles to the study of specific economic mineral deposits.

Prerequisites: Geology 1, 2, and 34.

47-48. Pro-seminar in Geology 2 hours

Discussion of special problems.

Prerequisite: Senior standing.

51. Honors Seminar in Geology 3 hours

DEPARTMENT OF MATHEMATICS

The departmental courses in mathematics are designed to help the student attain: 1. An understanding and appreciation of the fundamental methods of deductive reasoning. 2. Certification for teaching mathematics in secondary schools. 3. Adequate preparation for work in graduate or professional schools. 4. Facility in using the tools of mathematics, particularly in the natural sciences and in business.

The minimum requirement for a major in mathematics is twenty-two semester hours in upper-level courses including Mathematics 31, 33, 34, and 41. For a minor sequence nine semester hours in upper-level courses are required including Mathematics 33 and 41.

COURSES IN MATHEMATICS

1. College Algebra 3 hours

This course is offered to acquaint the student with algebraic theory and to develop such skill and technique as are required for further work in mathematics. The course covers quadratics, real roots, graphs, determinants, permutations, combinations, and partial fractions.

3. Trigonometry 3 hours

A course designed to prepare the student for advanced work in mathematics, including a treatise of trigonometric functions, derivations of standard formulas, trigonometric identities, solution of triangles, and the numerical use of logarithms.

Suggested Program of Courses for the A.B. or B.S. Degree
with Mathematics as Major and Physics as Minor Sequence **

FRESHMAN YEAR

	Semester		
	Hours		
English 3-4 or 7-8 -----	3	3	Rhetoric and Composition
Mathematics 1, 3, 4 -----	6	3	Algebra ; Trigonometry ; Analytics
Philosophy 12 -----	3		Logic
Religion 1 -----	3		Christian Morality
Social Science 1-2 -----	3	3	Development of Western Institutions
Speech 12 -----		2	Fundamentals of Speech
Elective -----		3	

		15	17

SOPHOMORE YEAR

Humanities 21-22, 23-24 ; 20 ; 25 ; 27 -----	3	3	English Literature ; World Literature ; Literary Art ; Music Art Forms ; Art : History and Appreciation
Mathematics 21, 22 -----	3	3	Differential and Integral Calculus
Philosophy 21 -----		3	General Psychology
Physics 23-24 -----	5	5	Engineering Physics
Religion 25, 26 -----	3	3	Dogma ; Sacraments
Social Science, Elective -----	3		Economics ; Geography ; History ; Politics

		17	17

JUNIOR YEAR

Mathematics 31, 32 or 33, 34 -----	3	3	Calculus II, Adv. Calculus ; College Geometry, Differential Equations
Mathematics 35 or 37 -----		3	Solid Analytics ; Theory of Numbers
Mathematics 41 -----		3	Theory of Equations
Mathematics 43 or 44 -----		3	History of Mathematics ; Determinants and Matrices
Philosophy 31 -----		3	Metaphysics
Physics 31 -----			Electric & Magnetic Circuits
Physics 41-42 or 45-46 -----	3	3	Modern Physics ; Electronics
Electives -----	2	5	

		15	17

SENIOR YEAR

Mathematics 31, 32 or 33, 34 -----	3	3	Calculus II, Adv. Calculus ; College Geometry, Differential Equations
Mathematics 35 or 37 -----		3	Solid Analytics ; Theory of Numbers
Mathematics 43 or 44 -----		3	History of Mathematics ; Determinants and Matrices
Mathematics 51 -----		3	Honors Seminar
Philosophy, upper level -----		3	
Physics 41-42 or 45-46 -----	3	3	Modern Physics ; Electronics
Religion, upper level -----		3	
Elective -----		3	

		15	15

** Students who plan to complete the requirements for the mathematics-physics group
major are advised to substitute three hours in physics for Advanced Calculus,
(Mathematics 32).

4. Plane Analytical Geometry 3 hours

A course coordinating geometry, algebra, and trigonometry, thus preparing the student for the calculus. The course covers the study of coordinates, including the plotting of equations of various forms, the study of the straight line, the conic sections, and the general equation of the second degree.

Prerequisites: Mathematics 1 and 3.

9. Mechanical Drawing 3 hours

This course deals with the fundamentals of drafting procedure including the care and use of drafting instruments, drawing-board geometry, orthographic projection, technical sketching and perspective drawing. Three two-hour periods each week.

10. Descriptive Geometry 3 hours

This course deals with the orthographic representation of points, lines, and planes and their fundamental geometric relations. Geometric problems are solved on the basis of orthographic projection. Three two-hour periods each week.

Prerequisite: Mathematics 9.

21-22. Differential and Integral Calculus 6 hours

The purpose of this course is to develop the principles and methods of the calculus hand in hand with their application to the solution of practical problems in natural science and business. The course embraces constants, variables, functions, derivatives, differentials, integrals, curvature, theorem of mean value, constant of integration, definite integral, formal integration, reduction, formulas, applications to centroids, fluid pressure, work and moments of area.

Prerequisites: Mathematics 1, 3, and 4.

31. Calculus II 3 hours

An extension of Mathematics 21 and 22 leading to a consideration of the following: series, expansion of functions, ordinary differential equations, hyperbolic functions, partial differentiation and applications, and multiple integrals.

Prerequisites: Mathematics 21 and 22.

32. Advanced Calculus 3 hours

This course is intended for those students who to some extent have mastered the manipulative skills of the differential and integral calculus. It introduces the student to theoretical questions which may lead him to further study. It includes more rigorous treatment

of series, partial differentiation, implicit functions, differential equations, and definite integrals; also an introduction to beta and gamma functions.

Prerequisites: Mathematics 21, 22, and 31.

33. College Geometry 3 hours

The purpose of this course is to introduce the student to a wide and extensive body of synthetic geometry. It concerns the geometry of the triangle and the circle and requires only the known Euclidian concepts. College geometry is recommended to prospective teachers in secondary schools.

34. Differential Equations 3 hours

This course presents differential equations from a practical viewpoint, combining the formal exercises of integrating the various standard types of differential equations with the setting-up of equations from problems of natural science.

Prerequisites: Mathematics 21, 22, and preferably 31.

35. Solid Analytical Geometry 3 hours

This course is devoted to the coordinate geometry of curves and surfaces in three-dimensional space, particularly of the plane, the straight line, and the quadratic surface. It also serves to introduce methods and principles which have an important part in the various fields of advanced mathematics. (Offered in 1957-58.)

Preequisite: Mathematics 4.

37. Theory of Numbers 3 hours

This course treats the elementary properties of integers, the definition and properties of divisibility, Euclid's Algorithm, Diophantine equations, prime numbers, aliquot parts, congruences, and quadratic residues. (Offered in 1958-59.)

Prerequisite: Mathematics 1.

41. Theory of Equations 3 hours

In this course students are guided through the proofs of the important general theorems in the elementary theory of algebraic equations. The methods of deductive reasoning are used abundantly, imparting to the student a realization of the need of clarity, exactness, and logical discourse. The concepts of ring and field are introduced, and with these as a basis, complex numbers, polynomials and their roots, resultants, discriminants, and symmetric functions are treated.

Prerequisite: Mathematics 21-22.

43. History of Mathematics 2 hours

History of the development of the various fields of mathematics from the earliest times to the present day. Open only to students majoring in mathematics. (Offered in 1958-59.)

44. Determinants and Matrices 3 hours

An introduction to the theory of vector spaces; matrices, their types and properties and the elementary applications of these concepts. (Offered in 1957-58.)

Prerequisite: Mathematics 21-22.

51. Honors Seminar in Mathematics 3 hours

DEPARTMENT OF PHYSICS

The courses in the Department of Physics are designed: 1. To impart an understanding of basic principles and through classroom discussion and supervised laboratory work to inculcate the habit of precise observation of phenomena. 2. To prepare the student for the teaching of physics in secondary schools.

For a minor sequence in physics twelve semester hours in upper-level courses are required, including Physics 31 and 41 or 42. Physics 21-22 is prerequisite for upper-level courses.

Laboratory fees: Physics 21, 22, 23, and 24, each \$5.00. Physics 31, 45, and 46, each \$7.50.

COURSES IN PHYSICS

21-22. College Physics 8 hours

A course introducing the student to the fundamental principles of mechanics, heat, sound, light, and electricity. Three lectures and one three-hour laboratory period each week.

Prerequisites: Mathematics 1 and 3.

23-24. Engineering Physics 10 hours

Lectures, recitations, problems and laboratory work dealing with the fundamental laws of mechanics, heat measurements, sound waves, electric and magnetic phenomena, geometric and physical optics and a brief survey of modern physics. Required course for pre-engineering students. Four lectures and one three-hour laboratory period each week through two semesters.

Prerequisites: Mathematics 1 and 3.

31. Electric and Magnetic Circuits 3 hours

Measurements of resistance, electromotive force, potentials, current, self and mutual induction, magnetic fields, Ohm's law, Kirchhoff's law, networks, bridges, ballistic galvanometer. Two lectures and one three-hour laboratory period each week.

Prerequisites: Physics 23-24 and Mathematics 21, 22.

41-42. Modern Physics 6 hours

A two semester course in general physics with emphasis on recent developments, wave motion, electromagnetic radiation, kinetic theory of gases, specific heats and heat of radiation, photoelectric effect, x-rays, Bohr theory of spectra, quantum mechanics, nuclear physics, cosmic rays, and relativity. Three lectures each week.

Prerequisites: Physics 21-22 and Mathematics 21, 22.

44. Statics 3 hours

This course treats the fundamental principles of statics: forces, moments of force, couples, systems of force, addition and subtraction of forces, equilibrium of systems, stresses and strains, moments of inertia. Three lectures each week.

Prerequisites: Physics 23-24 and Mathematics 21, 22.

45. Electronics I 3 hours

A study of basic principles of the vacuum tube: electron theory, thermionic emission, diode, triode, multiple electric tube and its static and dynamic characteristics, and the function of the vacuum tube. Two lectures and one three-hour laboratory period each week.

Prerequisite: Physics 21-22.

46. Electronics II 3 hours

A study of electronic circuits: voltage and power amplifiers, oscillators, modulators, transmitters and receivers, electric measuring instruments, cathode-ray tube, and photoelectric devices. Two lectures and one three-hour laboratory period each week.

Prerequisite: Physics 45.

DIVISION OF SOCIAL SCIENCES

The Division of Social Sciences seeks to enlarge the student's social understanding and to deepen his sense of responsibility with the view that he may lead a more useful life as a member of society. He is to become acquainted with the social heritage which the study of the past provides for the interpretation of the present and as a guide to the future. He is to become acquainted with the social teaching of the Church and its application to current social issues.

The Division offers a major sequence in each of the following Departments: Accounting, Economics, General Business, History, Marketing, Politics and Sociology. The major is twenty-four hours in upper-level courses as prescribed under the respective Department.

Students graduating in 1957 and thereafter with a major within the Division of Social Sciences must show credit in Social Science 40, Catholic Social Principles; this course may be counted as part of a minor in the Division of Social Science.

DIVISIONAL COURSES

1-2. The Development of Western Institutions 6 hours

The origins and growth of the basic social and cultural institutions of Western Civilization. Their pre-literary origins, the ancient Mediterranean world, and medieval society are considered during the first semester; their development in the modern world since the sixteenth century is treated in the second semester.

21. World Geography 3 hours

This course presents to the student the life and occupations of man as related to geographic conditions. The social, political, and industrial development of typical regions is studied in relation to such factors as land utilization, natural highways and boundaries, and distribution of natural resources.

40. Catholic Social Principles 3 hours

Recognizing the importance of basic principles in Catholic teaching, this course aims to set forth a systematized statement of the principles of the State, Family, and of Economic Life.

DEPARTMENT OF ACCOUNTING

The Department of Accounting provides the fundamental courses which are to prepare the student for entrance into the profession of accountancy, including public and private accounting practice or government service. Upon completion of this program of study, the student becomes eligible for the bachelor's degree in accounting, and he may secure through experience and state examination the status of certified public accountant.

In the field of public accounting there are opportunities in municipal and private auditing, system design and installation, cost and tax work. Federal and state governments provide opportunities for accountants in a wide variety of activities, including income tax and other taxation, farm administration, banking, interstate commerce, and the like. In private accounting practice, thoroughly trained accountants have opportunities for advancement into executive, financial, and auditing or cost positions.

Accounting 21-22 and Economics 21-22 are prerequisite for all upper-level courses.

The requirement for a major sequence in accounting is twenty-four hours in upper-level courses, including Accounting 31, 32, 36, 43-44, and 45-46. The requirement for a minor sequence is twelve hours in upper-level courses.

All students registered for courses in accounting are required to take the series of standardized tests administered by the Department.

COURSES IN ACCOUNTING

3-4. Managerial Accounting 6 hours

A fundamental course in accounting designed primarily for those students not majoring in accounting and who must rely on accounting data in daily business situations. Information as to sources and means of accumulating accounting data is given. The nature of business operations and of the potentialities and limitations of accounting are presented.

21-22. Principles of Accounting 6 hours

A fundamental course in accounting, including the study of the laws of debits and credits; books of original entry; posting; trial balance forms; special journals; control accounts; opening and closing books; partner accounts; bank reconciliation; operating and financial and comparative statements; introduction to corporation accounting.

31. Intermediate Accounting 5 hours

An investigation into the form and content of financial statements, including a study of so-called single entry accounting and of accounting from incomplete data. Supplementary statements such as the statement of sources and application of funds and advanced partnership problems complete the course.

32. Advanced Accounting 3 hours

Special emphasis is placed on the preparation of consolidated balance sheets and profit and loss statements. Consideration is given also to special transactions resulting from consignments and branch accounting.

Suggested Program of Courses for the B.S. Degree
with Accounting as Major Sequence

FRESHMAN YEAR

	Semester		
	Hours		
Business 1-2 -----	2	2	Introductions to Business
English 3-4 -----	3	3	Rhetoric and Composition
Humanities -----		3	
Natural Science 3-4 -----	3	3	Principles of Physical Science
Philosophy 12 -----		3	Logic
Religion 1 -----	3		Christian Morality
Social Science 1-2 -----	3	3	Development of Western Institutions
Speech 12 -----	2		Fundamentals of Speech
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		16	17

SOPHOMORE YEAR

Accounting 21-22 -----	3	3	Principles of Accounting
Economics 21-22 -----	3	3	Principles of Economics
Economics 23-24 -----	3	3	Business Law
Humanities 21-22 ; 23-24 ; 20 ; 25 --	3		English Literature; World Literature; Literary Art; Music Art Forms
Natural Science 2 -----		3	Principles of Biological Science
Philosophy 21 -----		3	General Psychology
Religion 25, 26 -----	3	3	Dogma ; Sacraments
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		15	18

JUNIOR YEAR

Accounting 31-32 -----	5	3	Intermediate; Advanced Accounting
Accounting 33 or 41 -----	2		Budgeting; Modern Accounting Systems
Accounting 36 -----		3	Auditing
Accounting 40 or 42 -----	2		Financial Statement Analysis; Govern- ment Accounting
Business 31 or 38 -----	3		Industrial Management; Statistics
Business 32 or 36 -----		3	Personnel Management; Corporation Finance
Minor Sequence -----	3	3	
Philosophy 31 -----	3		Metaphysics
Social Science 40 -----		3	Catholic Social Principles
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		16	17

SENIOR YEAR

Accounting 33 or 41 -----	2		Budgeting; Modern Accounting Systems
Accounting 40 or 42 -----	2		Financial Statment Analysis; Govern- ment Accounting
Accounting 43-44 -----	3	3	Income Tax Accounting
Accounting 45-46 -----	2	2	Cost Accounting
Accounting 48 -----		1	C.P.A. Problems
Accounting 51 -----	3		Honors Seminar
Minor Sequence -----	3	3	
Philosophy, upper level -----		3	
Religion, upper level -----	3		
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		16	14

33. Budgeting 2 hours

A study of the procedure of budgeting and of budgetary direction and control applied to the different activities of business. The principles and methods of constructing budgets, estimating income and expenses, controlling expenses, measuring operating efficiency, and enforcing budgets are developed. (Offered in 1958-59.)

36. Auditing 3 hours

A course designed for those intending to enter the profession of public or private accounting. The responsibilities of auditors and the regulations applying to the profession are studied, with special reference to the rules of professional conduct for members of the American Institute of Accountants. Various types of audits and their purposes are analyzed. Certificates are studied and prepared.

40. Financial Statement Analysis 2 hours

An analysis and interpretation of financial statements; the background of analysis; analysis of small business enterprises; the internal analysis of balance sheets and profit and loss statements; analysis of surplus. (Offered in 1958-59.)

41. Modern Accounting Systems 2 hours

A study of the application of accounting principles to various types of industry. Analysis of problems involved in designing and installing accounting systems. Attention is given to the preparation of accounting procedures, writing of accounting manuals, and preparation of reports. (Offered in 1957-58.)

42. Governmental Accounting 2 hours

This course treats of the problems of accounting for governmental units. A study is made of the special administrative problems and legal restrictions placed upon the public unit which necessitates accounting treatment different from that used in private business. (Offered in 1957-58.)

43-44. Income Tax Accounting 6 hours

This course is designed to familiarize the student with the federal income tax laws by means of lectures and practical problems. It is devoted to an intensive study of the income tax laws as they apply to individuals, partnerships, and corporations.

45-46. Cost Accounting 4 hours

This course presents an analysis of the importance of cost accounting in the modern business world. Cost terminology and technique are developed through the medium of problems dealing

with job cost systems, process cost systems, and standard cost and uniform cost procedures.

48. C.P.A. Problems 1 hour

51. Honors Seminar in Accounting 3 hours

DEPARTMENT OF BUSINESS ADMINISTRATION

The courses in business administration have been designed to provide training for positions in business. Their aim is to combine specific preparation with a background in general education, which, with experience, should enable one to assume positions of higher responsibility more rapidly and competently. During the freshman and sophomore years, the course of studies is general in character, conforming closely to the pattern suggested for economics. During the junior and senior years, areas of concentration are provided in general business and marketing.

The requirements for a major sequence in **General Business** are Accounting 3-4 or 21-22 (Seniors of 1960) and twenty-four hours in upper-level courses, including Business 37, and 39. Related courses highly recommended include Economics 35-36 and History 37 or 38. The requirement for a minor sequence is twelve hours in upper-level courses.

The requirement for a major sequence in **Marketing** is also twenty-four hours in upper-level courses, including Business 34 and 39. Related courses highly recommended include Business 44, Economics 42 and 48, and History 37 or 38. The requirement for a minor sequence is twelve hours in upper-level courses.

Economics 21-22 is prerequisite for all upper-level courses.

COURSES IN BUSINESS ADMINISTRATION

1-2. Introduction to Business 4 hours

This course provides a general survey of the activities included in organizing and managing a business. Discussion centers on the types of business ownership and organization, location and layout, financial administration, personnel management, purchasing, production, marketing, and the relation of business to government.

3-4. Managerial Accounting 6 hours

A fundamental course in accounting designed primarily for those students not majoring in accounting and who must rely on accounting data in daily business situations. Information as to sources and means of accumulating accounting data is given. The nature of business operations and of the potentialities and limitations of accounting are presented.

**Suggested Program of Courses for the B.S. Degree
with Business Administration as Major Sequence**

FRESHMAN YEAR

	Semester		
	Hours		
Business 1-2 -----	2	2	Introduction to Business
English 3-4 -----	3	3	Rhetoric and Composition
Natural Science 3-4 -----	3	3	Principles of Physical Science
Philosophy 12 -----	3		Logic
Religion 1 -----		3	Christian Morality
Social Science 1-2 -----	3	3	Development of Western Institutions
Speech 12 -----			Fundamentals of Speech
Elective -----	2	3	

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SOPHOMORE YEAR

Accounting 3-4 -----	3	3	Managerial Accounting
Economics 21-22 -----	3	3	Principles of Economics
Humanities 21-22; 23-24; 20; 25 --	3	3	English Literature; World Literature; Literary Art; Music Art Forms
Natural Science 2 -----		3	Principles of Biological Science
Philosophy 21 -----	3		General Psychology
Religion 25, 26 -----	3	3	Dogma; Sacraments

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Major Sequence in General Business

JUNIOR YEAR

Business 31, 32 or 41, 44 -----	3	3	Industrial Management, Personnel Management; Insurance, Retailing
Business 33, 40 or 45, 38 -----	2-3	2-3	Budgeting, Financial Statements; Transportation, Business Statistics
Business 34 or 46 -----		3	Salesmanship; Business Cycles
*Business 39 -----	3		Marketing
Economics 23-24 -----	3	3	Business Law
Philosophy 31 -----	3		Metaphysics
Social Science 40 -----		3	Catholic Social Principles
Electives -----	3-2	3-2	

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SENIOR YEAR

Business 31, 32 or 41, 44 -----	3	3	Industrial Management, Personnel Management; Insurance, Retailing
Business 33, 40 or 45, 38 -----	2-3	2-3	Budgeting, Financial Statements; Transportation, Business Statistics
Business 34 or 46 -----		3	Salesmanship; Business Cycles
Business 34 or 46 -----		3	Government and Business
Minor Sequence -----	3	3	
Philosophy, upper level -----	3		
Religion, upper level -----		3	
Electives -----	3-2	3-2	

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*It is highly desirable that students enroll for Bus. Ad. 39, Marketing, in the first semester of their junior year as this course provides foundation for Bus. Ad. 34, 43, 44, and 48.

Major Sequence in Marketing

JUNIOR YEAR			
Business 31 or 44	3		Industrial Management; Retailing
Business 32 or 48	3		Personnel Management; Advertising
Business 33, 40	2	2	Budgeting; Financial Statements
Business 45 or 36	3		Transportation; Corporation Finance
*Business 39	3		Marketing
Economics 23-24	3	3	Business Law
Minor Sequence	3	3	
Philosophy 31	3		Metaphysics
Social Science 40	3		Catholic Social Principles
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		17 17	
SENIOR YEAR			
Business 31 or 44	3		Industrial Management; Retailing
Business 32 or 48	3		Personnel Management; Advertising
Business 37	3		Government and Business
Business 34	3		Salesmanship
Business 43, 46	6		Credits and Collections; Business Cycles
Minor Sequence	3	3	
Philosophy, upper level	3		
Religion, upper level	3		
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		15 15	

6. Mathematics of Finance 3 hours

The objective of this course is the development of skills needed in obtaining answers to practical problems arising in business with emphasis on finance and life insurance. The subject matter includes interests, depreciation, endowments, and premiums for life insurance.

Prerequisites: Mathematics 1, or proficiency determined by examination.

28. Business Writing 3 hours

The student is led to analyze common business situations and problems which give rise to a need for clear and succinct communication. He considers also the bearing of practical psychology in the writing of letters and related business forms.

31. Industrial Management 3 hours

A detailed study of the organization and management of a manufacturing enterprise. Discussion centers on the physical factors of location, building, equipment, layout of plant; product design, purchasing and inventory control; routing, scheduling, and dispatching of work; personnel relations; sales; and finance. (Offered in 1957-58.)

32. Personnel Management 3 hours

This course deals with the objectives and procedures of personnel management, including the selecting, training and placing of

*It is highly desirable that students enroll for Bus. Ad. 39, Marketing, in the first semester of their junior year as this course provides foundation for Bus. Ad. 34, 43, 44, and 48.

employees as also their transfer and promotion; health and safety and other personnel services; wage and salary policies; industrial relations; records. (Offered in 1957-58.)

33. Budgeting 2 hours

A study of the procedure of budgeting and budgetary direction and control as applied to a business. The principles and methods of constructing budgets, estimating income and expenses, controlling expenses, measuring operating efficiency, and enforcing budgets are developed. (Offered in 1958-59.)

34. Salesmanship 3 hours

The place of selling in the marketing process; the functions and qualifications of the salesman; buying motives; psychological principles involved in selling; handling the interview and closing the sale; the building of good will.

36. Corporation Finance 3 hours

The financial problems involved in organizing and managing a business. Also a study of the financial procedures in receivership, bankruptcy, and reorganization. (Offered in 1957-58.)

37. Government and Business 3 hours

A study of the foundations for government intervention in business and the activities in which it currently engages in relation to business, with emphasis on federal legislation as this applies to social security, labor relations, and the maintenance of competition.

38. Business Statistics 3 hours

An introduction to the elements of statistical analysis, including the collecting, classifying, interpreting, and presenting of numerical data, with emphasis on their use in business. (Offered in 1957-58.)

Prerequisite: Mathematics 1 or proficiency determined by examination.

39. Marketing 3 hours

The principles and practices underlying the marketing process for different classes of goods. The marketing functions performed by the manufacturer, wholesaler, retailer, and functional middlemen. Recent trends in the efforts to develop greater marketing efficiency.

40. Financial Statement Analysis 2 hours

An analysis and interpretation of financial statements; the background of analysis; analysis of small business enterprises; the internal analysis of balance sheets and profit and loss statements; analysis of surplus. (Offered in 1958-59.)

41. Insurance and Risk 3 hours

A study of the chief types of risk and related insurance, with special attention to life, accident, and fire insurance. (Offered in 1958-59.)

43. Credits and Collections 3 hours

Nature and functions of credit. Principles and practices in retail and mercantile credit administration. Sources and analysis of credit information. (Offered in 1958-59.)

44. Retailing 3 hours

A course in retail merchandising, including location, building, equipment, and store layout; the buying of merchandise and inventory control; setting prices; merchandising policies; personnel; store records. (Offered in 1958-59.)

45. Transportation 3 hours

A course dealing with the economics of transportation: the extent of the market for goods in relation to transportation facilities and costs; the forms or methods of transportation; rate classifications; the regulation of transportation by the government. (Offered in 1957-58.)

46. Business Cycles 3 hours

In this course are discussed the different types of business fluctuations, the theories which have been advanced in explanation of them, and the measures which have been proposed for their control.

48. Advertising 3 hours

In this course are developed the functions of advertising in the sales effort, the media of advertising and the testing of their effectiveness, the economics of advertising, and the regulation of advertising in the interests of the consumer. (Offered in 1957-58.)

51. Honors Seminar in Business Administration 3 hours

DEPARTMENT OF ECONOMICS

The program in Economics has the following objectives: 1. To enable the student to gain a basic understanding of our economic system, to provide a field of concentration for those students who wish to pursue economics as their major study, and to offer those courses which are appropriately a part of the preparation for the study of accounting, government, journalism, and law. 2. To provide the requisite training for the teaching of economics in high schools, for the pursuit of graduate courses in economics, and for entrance into school of commerce and business administration.

The requirement for a major sequence is twenty-four hours in upper-level courses, including Economics 35. Related courses highly recommended include Accounting 1-2, Politics 21 and 22, and History 37 or 38. Students expecting to pursue graduate courses in economics are advised to show twelve hours of credit in foreign language, either French or German. The requirement for a minor sequence is twelve hours in upper-level courses.

Economics 21-22 is prerequisite for all upper-level courses.

**Suggested Program of Courses for the B.A. Degree
with Economics as Major Sequence**

FRESHMAN YEAR

	Semester Hours		
Business 1-2 -----	2	2	Introduction to Business
English 3-4 -----	3	3	Rhetoric and Composition
Natural Science 3-4 -----	3	3	Principles of Physical Science
Philosophy 12 -----		3	Logic
Religion 1 -----	3		Christian Morality
Social Science 1-2 -----	3	3	Development of Western Institutions
Elective Speech 12 -----	2	3	Fundamentals of Speech
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	16	17	

SOPHOMORE YEAR

Accounting 21-22 -----	3	3	Principles of Accounting
Economics 21-22 -----	3	3	Principles of Economics
Humanities 21-22; 23-24; 20; 25 -----	3	3	English Literature; World Literature; Literary Art; Music Art Forms
Natural Science 2 -----		3	Principles of Biological Science
Philosophy 21 -----	3		General Psychology
Religion 25, 26 -----	3	3	Dogma; Sacraments
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	15	15	

JUNIOR YEAR

Economics 23-24 -----	3	3	Business Law
Economics 45 or 38 -----	3		Transportation
Economics 35 -----	3		Money and Banking
Economics 37 -----	3		Government and Business
Economics 32 -----		3	Advanced Economic Analysis and Policy
Minor Sequence -----	3	3	
Philosophy 31 -----		3	Metaphysics
Electives -----	2	5	Recommended: Foreign Language; American Government
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	17	17	

SENIOR YEAR

Economics 38 or 48 -----	3		Statistics; International Economics
Economics 43-44 -----	3	3	Labor Problems and Legislation
Economics 46 -----		3	Business Cycles
Economics 51 -----	3		Honors Seminar
Minor Sequence -----	3	3	
Philosophy, upper level -----	3		
Religion, upper level -----	3		
Social Science 40 -----		3	Catholic Social Principles
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	15	15	

COURSES IN ECONOMICS**21-22. Principles of Economics 6 hours**

A study of the principles and problems connected with the production, exchange, and consumption of wealth, the level and fluctuation of national income and employment, and the level of economic development. Different types of economic systems are compared and evaluated.

23-24. Business Law 6 hours

This course is designed to acquaint the student with those phases of law most frequently met in business. The selected areas of study include contracts, negotiable instruments, agency, sales, partnerships, corporations, property, and torts.

32. Advanced Economic Analysis and Policy 3 hours

An advanced study of value and distribution theory, national income analysis, and welfare economics with special emphasis on the application of modern tools of analysis to concrete business and public problems. (Offered in 1958-59.)

35. Money and Banking 3 hours

A study of the theory of money, monetary standards, banking principles, and monetary theory with special emphasis on the financial institutions of the United States.

37. Government and Business 3 hours

A study of the foundations for government intervention in business and the activities in which it currently engages in relation to business, with emphasis on federal legislation as this applies to social security, labor relations, and the maintenance of competition.

38. Business Statistics 3 hours

An introduction to the elements of statistical analysis, including the collecting, classifying, interpreting, and presenting of numerical data, with emphasis on their use in business. (Offered in 1957-58.)

Prerequisite: Mathematics 1 or proficiency determined by examination.

41. Insurance and Risk 3 hours

A study of the chief types of risk and related insurance, with special attention to life, accident, and fire insurance. (Offered in 1958-59.)

43-44. Labor Problems and Labor Legislation 6 hours

A study of the issues involved in labor economics, with emphasis on the role that employers, unions and the government may

play in their solution. The first semester concentrates on the problems of unemployment, wages and hours; the second, on collective bargaining and social security.

45. Transportation

3 hours

A course dealing with the economics of transportation: the extent of the market for goods in relation to transportation facilities and costs; the forms or methods of transportation; rate classifications; the regulation of transportation by the government. (Offered in 1957-58.)

46. Business Cycles

3 hours

In this course are discussed the different types of business fluctuations, the theories which have been advanced in explanation of them, and the measures which have been proposed for their control.

48. International Economics

3 hours

A study of the underlying basis of international trade, balance of payments adjustments, and the methods of international payments, together with an examination of the foreign trade position, the tariff policies, and the commercial agreements of the United States. (Offered in 1957-58.)

51. Honors Seminar in Economics

3 hours

DEPARTMENT OF HISTORY

The Department of History attempts to explain events by their human causes and to discern in them the influence of Providence and the play of man's free will, to develop the ability to judge critically, to lay the foundations for that general culture which requires the knowledge and background necessary for intelligent and useful citizenship.

Concentration in History prepares a student for teaching in secondary schools, for entrance into graduate or law school, and provides a broad cultural basis in a four-year liberal arts program.

A major sequence in History requires Social Science 1-2, History 25-26, and twenty-four semester hours on the upper level, including History 33 and 50. Students who plan to enter graduate school are advised to include in their programs at least twelve hours or the equivalent in a foreign language, preferably French or German.

A minor sequence in History requires twelve hours in upper-level courses.

Suggested Program of Courses for the B.A. Degree
with History as Major Sequence

FRESHMAN YEAR

	Semester		
	Hours		
English 3-4 -----	3	3	Rhetoric and Composition
Humanities 25 or 27 -----	3		Music Art Forms; Art: History
Natural Science 2 -----	3		Principles of Biological Science
Philosophy 12 -----	3		Logic
Religion 1 -----	3		Christian Morality
Social Science 1-2 -----	3	3	Development of Western Institutions
Speech 12 -----		2	Fundamentals of Speech
Electives -----	3	3	Recommended: Politics 21-22
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	15	17	

SOPHOMORE YEAR

History 25-26 -----	3	3	History of the Americas
Humanities 21-22 or 23-24 -----	3	3	English Literature; World Literature
Natural Science 3-4 -----	3	3	Principles of Physical Science
Philosophy 21 -----		3	General Psychology
Religion 25-26 -----	3	3	Dogma; Sacraments
Electives -----	3	3	French or German
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	15	18	

JUNIOR YEAR

History 33, 50 -----	3	2	Middle Ages: Pro-seminar
History 32 -----		3	Classical Civilization
History 37, and 36 or 38 -----	3	3	American History
History 45-46 or 49, 48 -----	2	2	Constitutional History; Nineteenth Century; Reformation
Minor Sequence -----	3	3	
Philosophy 31 -----		3	Metaphysics
Elective -----	3	3	French or German
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	17	16	

SENIOR YEAR

History 41-42 or 43, 44 -----	3	3	History of England; Far East; Russia
History 45-46 or 49, 48 -----	2	2	Constitutional History; Nineteenth Century; Reformation
History 51 -----		3	Honors Seminar
Minor Sequence -----	3	3	
Philosophy, upper level -----		3	History of Philosophy
Religion, upper level -----		3	
Social Science 40 -----		3	Catholic Social Principles
Electives -----	3	3	
<hr/>			
	17	17	

COURSES IN HISTORY**25. History of the Americas: Colonial Era 3 hours**

A selective historical study of the peoples and institutions of the Western Hemisphere from the era of discovery to the national revolts after 1776. The colonial systems and institutions of Portugal, Spain, France, and England are considered and compared.

26. History of the Americas: National Era 3 hours

The development of the peoples and institutions of North, Central, and South America in the last two centuries. Emphasis is placed on the United States, Canada, the major nations of Hispanic America, and upon the growth of Pan Americanism.

32. Classical Civilization 3 hours

A study of the two centers of classical civilization, Athens (500 to 400 B.C.) and Rome (100 B.C. to 100 A.D.). Emphasis is placed on Athenian cultural attainments and on Roman political developments.

33. History of the Middle Ages 3 hours

The development of Europe from the disintegration of the Roman Empire in the West to the Renaissance. The Church, feudalism, the manorial system, and town life are among the major topics treated. Stress is placed upon the social and economic life in the period.

36. History of the American Frontier 3 hours

The influence of the West on American political, economic, and social life from colonial beginnings to 1890, with special reference to the public lands, internal improvements, sectionalism, and territorial expansion.

37. The Rise of American Industry 3 hours

The economic and social development of the American people, 1860 to 1900, with emphasis upon the rise of big business, agrarian unrest, and the Populist movement.

38. United States History since 1900 3 hours

The most recent era in the growth of the American people is studied in its world setting.

41. History of England to 1660 3 hours

The constitutional and social growth of the English people from the beginnings to the Restoration. (Offered in 1958-59.)

42. History of England since 1660 3 hours

The constitutional, imperial, and social growth of the English people from the Restoration to the present time. (Offered in 1958-59.)

43. History of the Modern Far East 3 hours

A study of the Orient, with particular emphasis on China and Japan, since the sixteenth century. The roles of European and American imperialism, native nationalism, the commercial and industrial revolutions, and Christianity in the opening and development of the modern Far East are considered.

44. History of Modern Russia 3 hours

The origins and development of the revolutionary movements and the basic factors in Russian and Soviet foreign policy from the eighteenth century to the present time.

45. Constitutional History of the United States to 1865 2 hours

A consideration of judicial interpretations affecting the formation of a Federal Union. (Offered in 1957-58.)

46. Constitutional History of the United States since 1865 2 hours

Attention is drawn to the judicial solutions of problems arising under a more centralized form of government. (Offered in 1957-58.)

48. The Age of the Reformation 2 hours

The basic and immediate causes and consequences of the religious revolts of the sixteenth century, with an appraisal of their major doctrines and leaders. The significance of the Catholic Reformation. (Offered in 1958-59.)

49. Nineteenth Century Europe: the Church and Liberalism 2 hours

The relations of the Catholic Church, its leaders, thought, and policies, with European liberalism in the last century. (Offered in 1958-59.)

50. Pro-seminar in History 2 hours

An introduction, by means of directed reading and individual projects, to the methods of historical research, historiography, and the philosophy of history.

51. Honors Seminar in History 3 hours

THE DEPARTMENT OF POLITICS

Mindful of the demand of the Holy Father, Pius XI, in the Encyclical, *Representanti in Terra*, that education must include "not only religious and moral education, but physical and civic education as well," the Department of Politics sets as its goal to make the student a good citizen. The courses are designed specifically to aid the student in taking his place in the State. In particular, the courses will acquaint the student: 1) with the place which the State occupies in social organization; 2) with the American form and system of government to the end that he may exercise his citizenship in a more intelligent and responsible manner.

The student who elects Politics as his Major field of study will have distinct advantage: 1) in pre-law training; 2) in graduate study; 3) in future practical political activity; 4) in any future life activity wherein government plays a large role such as industrial relations, foreign service, and so forth.

Majors and Minors in Politics must meet all general catalogue requirements. In addition, Politics 21 or Politics 22 is prerequisite to all upper level courses for Politics Majors; if a student, wishing to major in Politics, has not taken Politics 22, he is required to take Politics 35 and 36. Politics 41-42 is required of all Politics Majors.

COURSES IN POLITICS

21. Introduction to Politics 3 hours

The objective of this course is to introduce the student to the basic concepts of politics with a proper emphasis on their ethical aspect. Nature and Sovereignty of the State; the Function of the State; the basic Forms of the State.

22. American Government 3 hours

A study of the Government with detailed attention to the specific functions of the legislative, executive, and judicial branches of the Government.

33. Political Parties and Pressure Groups 3 hours

This course, a study of the democratic process, stresses the activity of the individual in government through the operations of political parties and pressure groups.

34. Comparative Governments 3 hours

A study of the principal forms of modern governments in their elements of strength and weakness as a basis for evaluating our own system.

35. Introduction to Constitutional Law 3 hours

A study of the structure of the government in its Constitutional framework through an analysis of basic Supreme Court decisions.

36. Government and Business 3 hours

A study of the foundations of governmental intervention in business and the activities in which it currently engages in relation to business, with emphasis on federal legislation as this applies to social security, labor relations, and the maintenance of competition, as expressed in the pertinent Supreme Court decisions. (Same as Bus. Ad. and Econ. 37.)

37. The Rise of American Industry 3 hours

The economic and social development of the American people, 1860 to 1900, with emphasis upon the rise of big business, agrarian unrest, and the Populist movement. (Same as Hist. 37.)

38. United States History Since 1900 3 hours

The most recent era in the growth of the American people is studied in its world setting. (Same as Hist. 38.)

39. Public Administration 3 hours

This course treats the role of administration in modern government. Special attention will be given to problems of organization, personnel, fiscal affairs, inter-governmental relations, and administrative procedures.

40. Public Finance 3 hours

A study of the principles of finance in government. Topics to be considered will include public revenues and expenditures, taxation public debt, governmental budgeting, and fiscal policy.

Suggested Program of Courses for the B.A. Degree with Politics
as a Major Sequence

FRESHMAN YEAR

	Semester		
	Hours		
English 3-4 -----	3	3	Rhetoric and Composition
Humanities -----	3	3	Eng. Lit.; World Lit.; Literary Art; Mus. Art Forms; Art; History and Appreciation
Natural Science 3-4 -----	3	3	Prin. of Physical Science
Philosophy 12 -----		3	Logic
Religion 1 -----	3		Christian Morality
Social Science 1-2 -----	3	3	Dev. of Western Institutions
Electives -----	2	2	
	—	—	
	17	17	

SOPHOMORE YEAR

Economics 21-22 -----	3	3	Principles of Economics
Natural Science 2 -----		3	Principles of Biological Science
Philosophy 21 -----	3		General Psychology
Politics 21-22 -----	3	3	Introduction to Politics; American Government
Religion 25-26 -----	3	3	Dogma; Sacraments
Speech 12 -----		2	Fundamentals of Speech
Electives -----	3	3	
	—	—	
	15	17	

JUNIOR YEAR

Politics 33-34 or 43-44 -----	3	3	Political Parties; Comparative Government
Politics 41-42 -----	3	3	Political Theory (Required)
Minor Sequence -----	3	3	
Philosophy 31 -----	3		Metaphysics
Electives -----	3	6	
	—	—	
	15	15	

SENIOR YEAR

Politics 37-38 -----	3	3	American History
Politics 39-40 -----	3	3	Public Administration; Public Finance
Politics 35-36 -----	3	3	Introduction to Constitution; Government and Business
Minor Sequence -----	3	3	
Philosophy, upper level -----	3		
Religion, upper level -----		3	
Social Science 40 -----	3		Catholic Social Principles
Electives -----	2	5	
	—	—	
	17	17	

41. Political Theory Before 1500**3 hours**

This course will analyze the foundations of Christian Social Theory developed by St. Thomas Aquinas, from the Greek and Roman philosophy as qualified by Hebrew and Christian tradition.

42. Political Theory After 1500**3 hours**

This course discusses the aberrations from Christian theory such as the origins of Nationalism, the Modern Secular state; the development of Liberalism, Communism and Fascism, and their influence in world politics.

43. Principles of Foreign Policy**3 hours**

An analysis of the instruments and objectives of foreign policy with respect to power politics, balance of power, collective security and international cooperation.

44. Problems of International Relations**3 hours**

A brief summary of the backgrounds necessary for an understanding of present day international problems and a study of current areas of tension in international affairs.

THE DEPARTMENT OF SOCIOLOGY

The Department of Sociology offers both a major and a minor sequence each intended to train the student in scientific attitudes toward human behavior and social interaction, but allowing for differences in both academic and professional goals.

Lectures, exercises and projects are designed to observe and analyze social realities rather than to evaluate or control them.

Majors in Sociology have found such training widely welcomed in applicants to Graduate Schools of Law, Social Work, Teaching, Business and Medicine. Majors and minors find it an aid in entering industrial and personnel management in-training programs, community and industrial counseling organizations, and many other types of careers where efficient and adequate social awareness is a premium.

MAJOR AND MINOR REQUIREMENTS AND RECOMMENDATIONS

Majors and minors in Sociology are required to take Sociology 21 and 22 and 31 in their proper sequence. These courses develop fundamental concepts and basic techniques for observing human behavior; the training and habits acquired at this level of instruction are assumed throughout the major and minor programs.

Majors are further required to take Sociology 32. While Sociology 35 is not required, Majors are strongly urged to avail themselves of this course and twelve hours in a foreign language, especially if they contemplate graduate work in any specialized social science or educational field.

Minors are encouraged to elect as their interests and special talents dictate from the upper level courses. They should be aware, however, that Major interests and demands in many upper level courses, in terms of independent research as well as group projects will offer special challenges to them. This is especially true if Sociology 34, Sociology 41, Sociology 43, or Sociology 44 are elected.

Upper level seminars Sociology 49, 50 are only for Majors who have maintained at least a B average in their work.

COURSES IN SOCIOLOGY

Junior Program

21. General Sociology I	3 hours
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The person and the group. Socialization. Primary Groups: family, play and neighborhood. Secondary Groups: social classes, ethnic groups, minorities.

22. General Sociology II 3 hours

Primary associations and collective behavior. Population composition and change. Urban Ecology. Industrial, political and religious structures in American society.

31. Basic Methodology 3 hours

Empirical analysis and scientific method in the study of human behavior. Principal sources of data. Questionnaires and interviewing. Scale analysis. Elements of tabulation and graphing. Elementary statistical procedures.

32. Public Opinion and Social Control 3 hours

The nature of social control. Ideology. Language and symbolic controls. The institutions of control.

33. The American Family 3 hours

The field of family sociology. The structure of the American family. The functions of the American family within the institutional framework of American Society.

34. Urban Area Analysis 3 hours

The human person in the complexity of the modern city. Community and Association ties. The direction of city growth and the possibility of new urban forms.

35. Elementary Statistics 3 hours

See Econ. 38 or Educ. 35.

36. Industrial Sociology 3 hours

Industrial organization as a social system. Human values and productivity.

Senior Program

41. Social Stratification 3 hours

The literature of social class and stratification. Principal methodological problems. Current interests in social class analysis. Field problems.

42. American Social Organization 3 hours

An examination of the social structure of contemporary America and of the factors inducing social change. Particular attention is given to the social implications of the Catholic basis for social reorganization.

Suggested Program of Courses for the B.A. Degree with Sociology as a Major Sequence

FRESHMAN YEAR

	Semester Hours		
English 3-4 -----	3	3	Rhetoric and Composition
Humanities -----	3		Required elective
Mathematics 1-3 -----	3	3	Algebra; Trigonometry
Natural Science 2 -----	3		Principles of Biological Science
Philosophy 12 -----	3		Logic
Religion 1 -----	3		Christian Morality
Social Science 1-2 -----	3	3	Western Institutions
Speech 12 -----	2		Fundamentals of Speech
	—	—	
	15	17	

SOPHOMORE YEAR

German or French 1-2 -----	3	3	Introductory
Humanities -----	3	3	Required elective
Natural Science 3-4 -----	3	3	Principles of Physical Science
Philosophy 21, 31 -----	3	3	General Psychology; Metaphysics
Religion 25-26 -----	3	3	Dogma; Sacraments
Sociology 21-22 -----	3	3	General Sociology
	—	—	
	18	18	

JUNIOR YEAR

German or French 21-22 -----	3	3	Intermediate
Minor Sequence -----	3	3	
Philosophy 33; Soc. Sc. 40 -----	3	3	Cosmology; Catholic Social Principles
Religion 30 or 32; 35 -----	3	3	Family; Apologetics; Liturgy
Sociology 31-32 -----	3	3	Methods; Public Opinion
Soc. 33 or 35; 34 or 36 -----	3	3	American Family; Statistics; Urban Area Analysis; Industrial Soc.
	—	—	
	18	18	

SENIOR YEAR

Minor Sequence -----	3	3	
Philosophy 38, 46 -----	3	3	Epistemology; Philosophy of Science
Religion 41; 42 or 48 -----	3	3	Old and New Testament; History of the Church in North America
Sociology 41 or 43 or 45; 42 or 44 or 46 -----	6	6	Stratification; Social Organization; Ethnic Groups; Theory; Religion; Criminology
Sociology 49, 50 -----	(3)	(3)	Seminars
	—	—	
	15	15	

43. Introduction to Sociological Theory 3 hours

A review of the variety of theories and the assumptions behind them in the origin and development of sociological analysis during the past one hundred years. Special effort is made to develop research designs from the best in the theories of the past.

44. The Sociology of Religion 3 hours

Religion and social custom. The development of religious thought as influenced by social factors. Religious practice as a culture variable.

45. American Ethnic Groups 3 hours

Major institutional forms of the Irish, Polish, German, Italian and Spanish immigrants. The meaning in the homeland; the effect of its transplanting. American cultural pluralism.

46. Criminology 3 hours

Crime as a social phenomenon. The incidence, distribution and etiology of criminal behavior. Types of criminals. Changing beliefs and practices in dealing with the criminal.

49. Pro-seminar: Sociological Research Design 3 hours**50. Pro-seminar: the Individual and the Group 3 hours****51. Honors Seminar 3 hours**

DIVISION OF EDUCATION

The programs of study which are outlined in the following pages have been designed to provide the prospective teacher with a good general education as a foundation for his professional training, and, at the same time, to meet the requirements for the teacher's certificate.

Students who are interested in a teaching career should acquaint themselves with the requirements for the teacher's certificate in the state in which they expect to be licensed. In general, the regulations prescribe: (1) A four-year curriculum leading to the bachelor's degree. (2) Professional courses approximating eighteen semester hours. (3) Academic credit in two or three teaching fields constituting the equivalent of a major and one or two related minors. (4) A recommendation by the Director of Teacher Training.

Saint Joseph's College is accredited by the Indiana State Department of Public Instruction for the training of teachers at the elementary and at the secondary levels.

A. General Elementary Teachers' Certificate—Indiana

The course of studies leading to the B.S. in Ed. degree has been constructed to meet all the requirements for the elementary certificate. Such a certificate is valid for five years and for teaching all subjects in grades one to eight inclusive. It is also valid in grade nine of a junior high school in a special area in which the teacher has eighteen semester hours of college credit, or in any restricted area as required for secondary certificates.

Students who are interested in a teaching career in elementary education should select this program at first registration, with the understanding that no final commitment is necessary until the end of the sophomore year.

The suggested program is given on page 134.

B. Secondary School Certificate—Indiana

Every curriculum for the preparation of high school teachers should conform to the following general pattern:

1. General Education

	Semester Hours
English 3-4 -----	6
Humanities -----	6
Natural Science 2, 3-4 -----	9
Philosophy 12, 21, 31 -----	9
Religion 1, 25, 26 -----	9
Social Science 1-2; Elective -----	9
Speech 1-2 -----	2
	—
	50

CURRICULUM FOR THE PREPARATION OF INDIANA

ELEMENTARY TEACHERS*

Approved Course of Studies Leading to the B.S. in Ed. Degree

FRESHMAN YEAR

	Semester		
	Hours		
English 3-4 -----	3	3	Rhetoric and Composition
Humanities 25 -----	3		Music Art Forms
Mathematics 1 -----	3		College Algebra
Natural Science 2 -----	3		Principles of Biological Science
Philosophy 12 -----		3	Logic
Religion 1 -----	3		Christian Morality
Social Science 1-2 -----	3	3	Development of Western Institutions
Speech 12 -----		2	Fundamentals of Speech
Elective -----		3	
	15	17	

SOPHOMORE YEAR

Biology 15 -----	3		Personal and Community Health
Humanities 27 -----	3		Art: History and Appreciation
Humanities 23-24 -----	3	3	World Literature
Natural Science 3-4 -----	3	3	Principles of Physical Science
Philosophy 21 -----		3	General Psychology
Physical Education 16 -----		2	First Aid and Safety Education
Religion 25, 26 -----	3	3	Dogma; Sacraments
Social Science 21 -----	3		World Geography
Elective -----		2	
	17	17	

JUNIOR YEAR

Education 34, 38 -----	3	3	Philosophy; Elementary Curriculum
Education 37, 48.0 -----	3	2	Tests and Measurements; Art Skills
Education 40 -----		2	Children's Literature
History 35, 36 or 37, 38 -----	3	3	United States History
Education 30 -----		3	Introduction; Educ. Psychology
Philosophy 31 -----		3	Metaphysics
Physical Education 41 -----	2		Activities for Elementary Grades
Religion, upper level -----	3		Christian Marriage
Sociology 32 -----		3	Home and Family Relations
	17	16	

SENIOR YEAR

Education 45.1, 45.2 -----	1	1	Professional Laboratory
Education 45.3, 45.4 -----	3	3	Student Teaching; Elementary
Education 47 -----	3		Industrial Arts and Crafts
Education 48.1, 48.2 -----	2	2	Language Arts I and II
Education 48.3, 48.4 -----	2	3	Natural Science; Arithmetic
Education 48.5, 48.6 -----	3	2	Social Studies; Music
Philosophy, upper level -----		3	
	14	14	

* Most states have reciprocal agreements; hence, a student who qualifies for Indiana can qualify for most other states. Students intending to qualify for other states should consult the Dean or the Director of Guidance.

** Students completing the Elementary Curriculum will follow a special class schedule coordinating professional courses with off-campus student teaching during the senior year.

The credit earned in general education may be used whenever applicable to meet the requirements for any subject matter area. Students who elect biology, general science, or health and physical education as one of their teaching fields will omit Natural Science 2 from the program of general education. Only those students who select a foreign language as a teaching field may substitute the language for the humanities requirement. If foreign language is omitted, Humanities 25, Music Art Forms, must be included in the program of general education.

2. Professional Education

	Semester Hours
Education 19, Principles of Secondary Education -----	3
Education 30, Educational Psychology -----	3
Education 32, General Methods -----	3
Education 39, Counseling and Guidance -----	2
Education 46.1-46.2, Student Teaching: High School -----	5
Education 49, Special Methods (Comprehensive Area) -----	2
	—
	18

3. Two or Three Academic Subject Matter Areas (Indiana)

The subject matter areas in which the student wishes to qualify for the Provisional Certificate in Indiana may be selected according to any one of three plans as follows:

- A. One comprehensive area (40 semester hours) and either one restricted area (24 semester hours) or one conditional area (minimum 18 semester hours).
- B. Two comprehensive areas.
- C. One comprehensive area and not more than two additional areas either or both of which may be restricted or conditional areas.

4. Completion of the Requirements for Graduation

Students enrolled in a teacher training curriculum will be required to meet the general requirements for graduation except as here provided:

- A. Major Sequence. It is recommended that the candidate for a teacher's certificate select a departmental or group major in the area of the teaching field in which he has a primary interest. He may, however, qualify for the bachelor's degree in education by completing a minimum of 24 semester hours of upper-level

credit in Elementary or Secondary Education. In addition to the professional courses prescribed for the teacher's certificate, the major sequence in education shall include nine semester hours chosen from Education 33, 34, 35, 37, 41, and 42.

- B. Minor Sequence. Ordinarily the minor sequence will be chosen from the second teaching field. It may be elective in any division or department in which a teaching area (comprehensive, restricted, or conditional) is offered, or in the Division of Education. Credit applied toward the major sequence may not be counted toward a minor even though such credit may apply to both teaching areas.

ACADEMIC SUBJECT MATTER AREAS—INDIANA

Saint Joseph's College offers training which will lead to Indiana certification on the secondary school level in the following Comprehensive and Restricted or Conditional Areas.

A. Secondary School Certificate—Indiana

I. Comprehensive Areas: 1. Language Arts (English); 2. Languages; 3. Social Studies; 4. Biological Science; 5. Physical Education.

II. Restricted or Conditional Areas: 1. English; 2. Foreign Language; 3. Journalism; 4. History; 5. Social Studies; 6. Biology; 7. Physics; 8. Chemistry; 9. General Science; 10. Mathematics; 11. General Business; 12. Retail Selling; 13. Health and Safety Education; 14. Physical Education; 15. Recreation; 16. Instrumental Music.

A provisional secondary certificate is valid for five years and will permit the teaching of the subject or subjects in which the certificate is issued in grades seven through twelve in any secondary school.

Provisional certificates to include restricted areas may be issued in any subject upon a minimum of twenty-four semester hours. The Restricted Area of the certificate may be converted to a Comprehensive Area upon the completion of a total of forty semester hours of credit earned in the respective area within a ten-year period.

Limited certificates to include Conditional Areas may be issued in all subjects except English upon a minimum of 18 semester hours. The Conditional Area of the certificate is valid for one year and may be renewed with a minimum of three semester hours of additional work each year until the total credit in that subject field has reached twenty-four semester hours.

TABLE OF MINIMUM COURSE REQUIREMENTS
IN COMPREHENSIVE AREAS FOR INDIANA*

1. Language Arts (English)

	Hrs.
English 3-4 -----	6
English 32, 36 and Electives -----	15
Humanities 23-24 -----	6
Journalism 1 -----	3
Speech 12, 31-32, 33, 38 -----	10
-----	—
	40

2. Foreign Language
(With English)

Credit of 42 hours in any two of the following; a minimum of 18 hours in either language.

English	
English 3-4, 32, 36 -----	12
Humanities 23-24 -----	6
Speech 12, 31-32 -----	6
-----	—
	24

French	
From French 1-2, 21-22, 31, 32	
41-42 -----	18

German	
From German 1-2, 21-22, 35-36,	
41-42 -----	18

Latin	
From Latin 1-2, 3-4, 5, 6, 7-8,	
21, 22 -----	18

Spanish	
From Spanish 1-2, 21-22, 26, 31-32	
41-42 -----	18

3. Social Studies

Economics 21-22 -----	6
History 25-26 and 32 -----	9
History, from 36 to 42 -----	12
Politics 21-22 -----	6
Social Science 1-2, 21 -----	9
Sociology, Elective -----	3
-----	—
	45

4. Biological Science

	Hrs.
Biology 1, 2, 12, 15, 31-32 -----	21
Biology 41 and Electives -----	12
Natural Science 3-4 -----	6
Physical Education 16 -----	2
-----	—
	41

5. Physical Science and
Mathematics

One of the following alternative combinations may be selected:

A. Chemistry 18 hrs., Physics 20 hrs., and Prin. Biol. Science -----	41
B. Chemistry 20 hrs., Mathematics 18 hrs., and Prin. Biological Science -----	41
C. Mathematics 18 hrs., Physics 20 hrs., and Prin. Biol. Science --	41

6. General Science

Biology 1, 2, 12 -----	12
Chemistry 1, 2 -----	8
Geology 1 -----	4
Mathematics 1, 3 -----	6
Physics 21-22 -----	8
Science, Elective -----	4
-----	—
	42

7. Health and Physical
Education

Health Education	
Biology 3, 12, 15 -----	11
Physical Education 16, 45 -----	5

Physical Education	
Physical Education 31, 44, 46 -----	8
Physical Education 33, 35, 41 -----	7
Physical Education 43, 48 -----	6

Public Recreation	
Physical Education 30, 36 -----	5
-----	—
	42

* Most states have reciprocal agreements; hence, a student who qualifies for Indiana can qualify for most other states. Students intending to qualify for other states should consult the Dean or the Director of Guidance.

**TABLE OF MINIMUM COURSE REQUIREMENTS
IN RESTRICTED AREAS FOR INDIANA***

1. English		9. General Science	
	Hrs.		Hrs.
English 3-4, 32, 36	12	Biology 1, 2, 12	12
Humanities 23-24	6	Chemistry 1, 2 or Physics 21-22	8
Speech 12 and 31-32	6	Geology 1	4
	—		—
	24		24
2. Foreign Language		10. Mathematics	
Any one of the Following: German, French, Latin, Spanish		From Mathematics 1 to 34	24
(On the basis of demonstrated proficiency, a student may be excused from the six semester hours of the beginner's course.)		11. General Business	
		Business 1-2 and Electives	10
		Economics 21-22, 23-24	12
		Elective	3
			—
			25
3. Journalism		12. Retail Selling	
From Journalism 1 to 46	18	Business 1-2, 34, 39, 44, 48	16
		Economics 21-22, 23-24	12
			—
			28
4. History		13. Health and Safety	
History 36, 37, 38	9	Biology 3, 12, 15, 38	14
History 25, 26 and Elective	12	Physical Education 16, 45	5
Social Science 21, Geography	3		—
	—		19
	24	14. Physical Education	
5. Social Studies		Biology 3, 12, 15	11
Business 1-2	4	Physical Education 31, 33, 34, 37, 44, 48	14
Economics 21-22	6		—
Politics 21-22	6		25
Social Science 1-2	6	15. Recreation	
Sociology, Elective	3	Biology 3, 12, 15	11
	—	Physical Education 30, 31, 33, 34 37, 48	15
	25		—
6. Biology			26
Biology 1, 2, 12, 15, 31-32, 41	25	16. Instrumental Music	
7. Physics		Musical Theory 1, 2, 23-24, 33, 35-36	14
Physics 21-22 and Electives	24	Applied Music: String, woodwind, brass and percussion instruments ..	10
8. Chemistry		Ensemble: Band or Orchestra, six semesters	-
Chemistry 1, 2, 31-32, 37	17		—
Chemistry, Electives	7		24
	—		
	24		

* Most states have reciprocal agreements; hence, a student who qualifies for Indiana can qualify for most other states. Students intending to qualify for other states should consult the Dean or the Director of Guidance.

COURSES IN EDUCATION**19. Principles of Secondary Education 3 hours**

A presentation of the aims and functions of high school education; special problems of guidance proper to this stage in a student's development; the general program of studies and the contribution of individual subjects to the needs of secondary pupils. Catholic principles of education are stressed throughout the course.

30. Educational Psychology 3 hours

The course in educational psychology aims to give the student an understanding of the characteristics of human behavior and the factors which affect its development. Emphasis is placed on those basic facts and principles that are generally accepted by today's educators and that can be integrated into the student's own experience and made to function in his educational career.

Prerequisite: Philosophy 21. General Psychology.

32. General Methods 3 hours

This course deals with general principles of effective teaching in secondary schools. Topics for discussion include: selection and arrangement of subject matter; motivation and direction of learning activities; discipline; questioning, assignment and review procedure; problem-project teaching and socialized recitation; development of appreciation, attitudes and ideals.

33. History of Education 3 hours

An exposition of the development of school systems and educational practices. The reading assignments will include historical materials to illustrate the rise of new movement in education and biographical sketches of outstanding educational leaders.

34. Philosophy of Education 3 hours

A study of the philosophical principles underlying education as a social institution. The course aims to provide the student with a norm for estimating the relative values of educational theories and agencies which influence the work of the schools. (Offered in 1957-58.)

35. Elementary Statistics 3 hours

An elementary course in statistical analysis. Problems are taken from education and psychology and include the computation and interpretation of averages, measures of variability, coefficients of correlation and measures of reliability. (Offered in 1958-59.)

37. Educational Tests and Measurements 3 hours

Principles of test construction, types and characteristics of group tests, application of such tests to school problems and evaluation of results. Practice in taking and giving such tests in actual school situations. (Offered in 1957-58.)

38. Elementary Curriculum 3 hours

A general introduction to the principles and trends in the various areas of the curriculum in the light of modern concepts of child development.

39. Counseling and Guidance 2 hours

Principles and techniques of personal counseling and of educational and vocational guidance of high school students. Attention is given to the use of appropriate tests, rating scales, interview techniques, organization of the guidance program, placement and follow-up services in the high school.

40. Children's Literature 2 hours

An overview of the field of children's literature and an intensive study of types at various levels. The place of poetry, folk tales, story telling and dramatics in elementary education.

41. Child Psychology 2 hours

A study of the psychological factors in child development from birth to adolescence; attention is given to intellectual, emotional, social, physical and religious development.

42. Adolescent Psychology 3 hours

A study of the nature of adolescents with special reference to their physical, mental, emotional, social, moral and religious problems and development.

43. Mental Hygiene 2 hours

A study of the psychological evidence upon which the point of view, principles and techniques of mental hygiene are based; the application of the findings to the educative process.

44. Sociology of Education 3 hours

The school and the society. The function of the school as an agent of culture transfer. Detail of current analyses. Projects.

45.1-45.2 Professional Laboratory Experiences 2 hours

Laboratory and seminar course involving guided observation and participation in the activities of the elementary school.

45.3-45.4 Student Teaching: Elementary School 6 hours

Students registered as student teachers will be present five days a week in the classroom to which they are assigned. Under the direction of the supervising teacher the student has full charge of the class when he teaches and is held responsible for the full control and management as well as the instruction.

46.1-46.2 Student Teaching: High School 5-6 hours

This course is required of all students working for a high school teacher's license. Students are required to observe classes in the local schools for thirty to thirty-five periods, and to record the results of their observations. Each student is also required to plan and teach from sixty to sixty-five periods under the supervision of an approved critic teacher. Individual conferences and group meetings are held weekly with the Director of Teacher Training.

Prerequisite: Senior standing.

47. Industrial Arts and Crafts 3 hours

The purposes of this course are to help the students gain insights into the materials, processes, and products of industry, and to gain ability to organize this knowledge and the materials for the teaching of arts and crafts at the elementary and secondary school levels.

48.0 Basic Art Skills and Methods 2 hours

Drawing, pattern, composition, essentials of lettering and posters, combined with techniques of presentation for elementary teachers.

48.1 Language Arts I 2 hours

This course covers the program of reading at the elementary level. The following problems are emphasized: reading-readiness, phonics, methods of meeting individual differences, diagnosis in reading, and remedial measures.

48.2 Language Arts II 2 hours

This course stresses the expressional phase of elementary school language, including oral and written expression, grammar, spelling, and handwriting. Instructional methods, standards of achievement, and correction of pupil difficulties are included in the course.

48.3 Methods in Natural Science 2 hours

A survey of materials and methods to be used in developing science units for the elementary grades.

48.4 Methods in Arithmetic 3 hours

A study of the techniques and methods of teaching arithmetic in the elementary school. Distribution of content according to grade levels; diagnosis of number difficulties; remedial instruction; testing.

48.5 Methods in Social Studies 3 hours

Function of the social studies in the elementary school; appraisal of teaching procedures in this field; formulation of definite principles to use in the selection of suitable materials; testing the results of instruction in the social studies.

48.6 Methods in Music 2 hours

Modern methods of presenting music to children in the elementary school. Discussion of such topics as rhythmic activity, singing, appreciation, and means of helping the less musically gifted child.

49. Special Methods: High School 2 hours

Professional academic courses are organized in each of the teaching fields described by the Comprehensive Areas. These courses deal with the particular aims, materials, and methods of the respective subjects as presented in the modern high school. Credit in Special Methods courses applies to the requirement in professional education, but may not be counted toward a major or a minor in the academic department to which the subject is related.

SPECIAL METHODS COURSES**49.LA. The Teaching of Language Arts in High School**

For prospective teachers of English, speech, and journalism.

49.FL. The Teaching of Foreign Language in High School

For prospective teachers of German, French, Latin, and Spanish. Materials are adapted to individual needs.

49.SS. The Teaching of Social Studies in High School

For prospective teachers of history, geography, economics, political science, and general business.

49.Sc. The Teaching of Mathematics and Natural Science

For prospective teachers of mathematics, general science, biology, chemistry, and physics.

49.PE. The Teaching of Health and Physical Education

For prospective teachers of health, and high school athletics.

49.Mu. The Teaching of Music in High School

For prospective teachers of music.

51. Honors Seminar in Education 3 hours

DEPARTMENT OF PHYSICAL EDUCATION

The Department of Physical Education has the following objectives: to promote physical well-being through a program of physical training; to inculcate proper attitudes and habits of health and sportsmanship; to prepare qualified coaches and teachers of health and physical education.

Students who plan to qualify for the teacher's certificate in health and physical education will be guided by the regulations outlined on pages 114-123.

COURSES IN PHYSICAL EDUCATION

16. First Aid and Safety Education 2 hours

A consideration of the essential elements in the theory and practice of safety in the school, in the home, in occupational activities. Instruction and discussion of the uses of massage and taping in athletics. Instruction in the administration of first aid.

30. Public Recreation and Camp Activities 3 hours

Theory and practice of playground supervision and camp leadership. Techniques proper to arts and crafts, aquatics, outdoor recreational activities, nature study, and special programs are included. Observation of camp facilities and recreational programs.

31. History and Principles of Physical Education 3 hours

A basic course presenting a critical evaluation of social, economic, and political forces associated with the development of physical education throughout its history, and secondly, introducing the student to the fundamental facts and principles associated with Motivation, Program, Instruction, Supervision, Administration, and Evaluation in the field of physical education.

32. Coaching of Baseball and Track 2 hours

Theory and practice in batting, fielding, base running, and pitching. Principles of coaching and officiating in baseball, track, and field events. Two lectures and one laboratory period per week. (Offered in 1957-58.)

Suggested Program of Courses for the B.S. Degree
with Physical Education as Major Sequence

FRESHMAN YEAR

	Semester		
	Hours		
Biology 3, 12 -----	4	4	Introductory Biology; Anatomy
Biology 15 -----	3		Personal and Community Health
English 3-4 -----	3	3	Rhetoric and Composition
Philosophy 12 -----		3	Logic
Religion 1 -----	3		Christian Morality
Social Science 1-2 -----	3	3	Development of Western Institutions
Speech 12 -----		2	Fundamentals of Speech
	16	15	

SOPHOMORE YEAR

Education 19 -----	3		Principles of Secondary Ed.
Humanities -----	3	3	Required electives
Natural Science 3-4 -----	3	3	Principles of Physical Science
Philosophy 21 -----		3	General Psychology
Physical Education 16 -----		2	First Aid and Safety Education
Religion 25, 26 -----	3	3	Dogma; Sacraments
Second Teaching Area -----	3	3	
	15	17	

JUNIOR YEAR

Education 30, 32 -----		6	Educational Psychology; General Methods
Education 39, 49 PE -----	2	2	Counseling; Special Methods
Physical Education 31, 30 -----	2	2	History and Principles; Public Recreation and Camp Activities
Physical Education 33, 32 -----	2	2	Gymnastics; Baseball & Track
Physical Education 35 -----	3		Measurements in Physical Education
Philosophy 31 -----	3		Metaphysics
Second Teaching Area -----	3	3	
	16	16	

SENIOR YEAR

Education 46.1, 46.2 -----	2	3	Student Teaching: High School
Physical Education 41, 36 -----	2	2	Activities for Elementary Grades; Minor Sports
Physical Education 43, 44 -----	3	2	Coaching Football; H.S. Athletics
			Adm. Health and Physical Education;
Physical Education 45, 46 -----	3	2	P. Ed. & Intramural
Physical Education 48 -----		3	Coaching Basketball
Philosophy, upper level -----	3		
Religion, upper level -----		3	
Second Teaching Area -----	3	3	
	16	18	

33. Gymnastics and Rhythmic Exercises 2 hours

Elements of individual and natural gymnastics; corrective exercises, callisthenics, class drill, tumbling and apparatus; fundamentals of rhythm as applied to games, plays, and songs. Two lectures and one laboratory period per week.

34. Kineseology 3 hours

A study of the origin, insertion, and action of the muscles in the human body as they relate to skeletal movement in sport skills. This course is designed for physical education students.

35. Measurements in Health and Physical Education 3 hours

A course in elementary measurements as applied to health habits, physical growth, and athletic ability and achievement. The aim of the course is to provide the prospective teacher with the means of estimating physical fitness and evaluating changes in knowledge, skills, and attitudes as a result of instruction.

36. Techniques of Minor Sports 2 hours

Instruction and practice in such sports as handball, volleyball, softball, tennis, badminton, ping pong, and bowling. Attention is given to selection and care of equipment. (Offered in 1957-58.)

41. Activities for Elementary Grades 2 hours

An analysis of dramatic play, games, rhythms, self-testing activities, playground procedures, and safety measures used in a modern program in the area. Principles of selection and evaluation of activities and teaching methods are developed.

43. Coaching of Football 3 hours

Theory and practice of the fundamentals of football. A study of the history, rules, strategy, styles of attack and defense, organization of practice, individual and team conditioning, officiating and other coaching problems involved in this sport. Three lectures and one laboratory period per week. (Offered in 1957-58.)

44. Administration of High School Athletics 2 hours

A detailed study of the rules of the National Federation of State High School Associations as well as a thorough study of State

Athletic Associations with emphasis upon eligibility rules and decisions in the State of Indiana. Included in the course are such topics as the purchase and care of athletic equipment, standards for athletic facilities, finances and budgets as related to high school athletic program. (Offered in 1958-59.)

Prerequisite: Physical Education 31.

45. Organization and Administration of Health Education 3 hours

The principles, materials and problems of health education. Relation of the school health program to other health agencies. Instruction in the proper use of federal, state, and commercial publications and aids to health education. Examinations, reports, and remedial measures. State health regulations.

**46. The Organization and Administration of Physical Education
and Intramural Sports 3 hours**

Consideration is given to the grouping of students, records of participation and progress, management of gymnasium and playground, finance and public relations. A study of the units of competition, time schedules, methods of organizing participation, scoring plans, rules and regulations for individuals and groups.

48. Coaching of Basketball 3 hours

Theory and practice of the fundamentals of basketball. A study of the history, rules, strategy, styles of play, organization of practice, individual and team conditioning, officiating and other coaching problems connected with this sport. Three lectures and one laboratory period per week. (Offered in 1958-59.)

51. Honors Seminar in Physical Education 3 hours

APPENDIX I

DEGREES, HONORS AND AWARDS: JUNE 3, 1956

DOCTOR OF LAWS, HONORIS CAUSA
Mr. William A. Hanley, D.Eng., '08

BACHELOR OF SCIENCE IN ACCOUNTING

John Louis Carlson	Chicago, Illinois
Raymond Stephen Cerney	Fort Wayne, Indiana
Donald Louis Dwiell	Des Plaines, Illinois
Edward Harry Hennekes ** Cum Laude	Cincinnati, Ohio
Richard A. Kumicich	Chicago, Illinois
Francis J. Lawler †	Chicago, Illinois
John R. Vargo	Whiting, Indiana
John Francis White **	Indianapolis, Indiana
Charles A. Wiles	Indianapolis, Indiana

BACHELOR OF ARTS IN BIOLOGY

Chester John Buziak	South Bend, Indiana
John P. Griffin	Chicago, Illinois
Robert A. Wiatr	Chicago, Illinois

BACHELOR OF SCIENCE IN BIOLOGY

Howard L. Penning	Springfield, Illinois
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BACHELOR OF ARTS IN BIOLOGY-CHEMISTRY

Henry Vincent Guzzo, Jr.	Elkhart, Indiana
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BACHELOR OF SCIENCE IN BIOLOGY-CHEMISTRY

Joseph Robert Maher **	Joliet, Illinois
Frederick Joseph Stucker, Jr.	Chicago, Illinois

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION
GENERAL BUSINESS

Robert Farrell Clark †	Wilmette, Illinois
Martin Joseph Collins	Chicago, Illinois
Richard C. Dwinell, Jr. **	Chicago, Illinois
William Clarence Erhart †	Chicago, Illinois
Patrick Michael Evard **	Indianapolis, Indiana
Louis Angelo Giacomini †	Gary, Indiana
Thomas James Holmberg	River Forest, Illinois
Richard J. Lorey	Jasper, Indiana
Philip Anthony Menna	Monroe, Michigan
John Joseph Miller	Oak Park, Illinois
John Wayne Morrison	Grand Rapids, Michigan
Robert C. Naab	Rock Island, Illinois
Richard R. Obergfell	Indianapolis, Indiana
Thomas Francis O'Rourke	Griffith, Indiana
Robert Frederick Pitt	St. Joseph, Michigan
Gene F. Rihm	Greenfield, Indiana
William F. Schulte †	Covington, Kentucky
Keith Anthony Snyder	Chicago, Illinois
William P. Yanan	Chicago, Illinois

MARKETING

Joseph Arnold Houser ----- Coldwater, Michigan
 Charles William Riedy ----- Tiffin, Ohio
 Lynn Francis Tabaka † ----- Urbana, Illinois

BACHELOR OF ARTS IN ECONOMICS

Joseph M. Kewley ----- Danville, Illinois
 James Joseph McPolin, Jr. ----- Chicago, Illinois
 John P. Paonessa ----- Chicago, Illinois
 Harold James Pluth ----- Hebron, North Dakota
 Raymond H. Schwenkel ----- Chicago, Illinois
 Joe Adolph Simala ----- Valparaiso, Indiana
 Roger Uecker *** Magna Cum Laude ----- Fort Wayne, Indiana

BACHELOR OF ARTS IN ENGLISH

Richard Joseph Barnett ** Summa Cum Laude ----- Peru, Indiana

BACHELOR OF ARTS IN ENGLISH-JOURNALISM

Joseph Anthony Kneip ** ----- Cincinnati, Ohio

BACHELOR OF ARTS IN GEOLOGY

Charles Edmund Brown ----- Rensselaer, Indiana
 Robert J. Companik ----- Whiting, Indiana

BACHELOR OF SCIENCE IN GEOLOGY

George Hugh Brown † ----- East Chicago, Indiana
 Norman Donald Hudecki ----- Hamilton, Ontario, Canada
 Edward Joseph Klockenkemper ----- Batchtown, Illinois
 Robert Allan Michalski † ----- Mansfield, Ohio
 Bohdan B. Strawniak ----- Chicago, Illinois
 Walter Joseph Zakes ----- Chicago, Illinois

BACHELOR OF ARTS IN HISTORY

Thomas J. Close ----- Adrian, Michigan
 Kenneth Paul Fedder ----- Michigan City, Indiana
 Frank Edward Grobner ----- Chicago, Illinois
 Marvin Lawrence Hackman *** Summa Cum Laude ----- Jasper, Indiana
 Jacob U. Voelker † ----- Calumet City, Illinois

BACHELOR OF SCIENCE IN MATHEMATICS

Donald Leon Prullage *** Cum Laude ----- Vincennes, Indiana

BACHELOR OF ARTS IN MATHEMATICS-PHYSICS

John A. Dougherty ----- Cairo, Illinois
 Raymond Jerome Sarlitto ----- Brookfield, Illinois
 Harold P. Vitale ----- Chicago, Illinois

BACHELOR OF ARTS IN PHILOSOPHY

Gerald Peter Higgins ** ----- Lockport, New York
 Timothy John O'Brien ** ----- Chicago, Illinois
 Rev. Paul E. Wellman, C.P.P.S. ----- Bryant, Indiana

BACHELOR OF SCIENCE IN PHYSICAL EDUCATION

Merle V. Effing ** ----- Evansville, Indiana
 Chester J. Pilat † ----- Monroe, Michigan

† Finished Requirements February 1, 1956

* Passed the Comprehensive Examinations with Distinction

**Nominated to Who's Who Among Students in American Colleges and Universities

BACHELOR OF SCIENCE IN SOCIAL SCIENCES

William T. Dietz ----- Indianapolis, Indiana

HONORS AND AWARDS
DELTA EPSILON SIGMA
NATIONAL CATHOLIC HONORS SOCIETY

Faculty Members Nominated as Founders:

The Very Reverend Raphael H. Gross, C.PP.S., Ph.D., President
The Reverend Edward A. Maziarz, C.PP.S., M.A., M.S., Ph.D., Dean
The Reverend Joseph B. Kenkel, C.PP.S., Ph.D.
The Reverend Edwin G. Kaiser, C.PP.S., S.T.D.
Mr. Paul C. Tonner, B.Mus.

Graduates of June 3, 1956, Nominated as First Student Members:

Richard Joseph Barnett, B.A.
Marvin Lawrence Hackman, B.A.
Edward Harry Hennekes, B.S.
Gerald Peter Higgins, B.A.
Joseph Robert Maher, B.S.
Donald Leon Prullage, B.S.
Roger Uecker, B.A.

THE MARY J. PURSLEY AWARD FOR CREATIVE WRITING

Donor: The Most Reverend Leo A. Pursley, D.D., LL.D., '21, Apostolic Administrator
of the Diocese of Fort Wayne

Prize: Fifty Dollars
John P. Kasing

THE ALUMNI ESSAY AWARD

Donor: The Saint Joseph's Alumni Association

First Prize: Twenty-five Dollars

Richard Joseph Barnett, B.A.

Second Prize: Fifteen Dollars

Gerald H. Schomp

THE HANLEY SCIENCE AWARD

Donor: Mr. William A. Hanley, D.Eng., LL.D., '08, Indianapolis, Indiana

First Prize: One Hundred Dollars

Howard Lawrence Penning, B.S.

Donor: Dr. Frank Benchik, '42, East Chicago, Indiana

Second Prize: Fifty Dollars

Joseph Robert Maher, B.S.

THE CONROY ORATORY MEDAL AND SPEECH AWARDS

Donor: Reverend James J. Conroy, '32, Huntington, Indiana

First Prize: Gold Medal and Fifteen Dollars

David R. Carey

Second Prize: Ten Dollars

John H. Young

Third Prize: Five Dollars

John P. Kasing

Fourth Prize: Five Dollars

William F. Gleason

THE LOUIS F. WHITE MEMORIAL AWARD

Donor: The Saint Joseph's College Glee Club

First Recipient: William J. Leonard

DEGREES CONFERRED—JANUARY 27, 1957

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION
GENERAL BUSINESS

Albert Keifer Cordes ----- Earl Park, Indiana

MARKETING

Joseph Carl Gerba ----- Whiting, Indiana

BACHELOR OF ARTS IN ECONOMICS

Arthur Bernard Holecek ----- Chicago, Illinois

BACHELOR OF ARTS IN ENGLISH

John Paul Kasing ----- Bellevue, Pennsylvania

BACHELOR OF ARTS IN GEOLOGY

Richard Charles Dietzen **Cum Laude** ----- Danville, Illinois

Donald Joseph Heuer ----- Chicago, Illinois

BACHELOR OF ARTS IN HISTORY

John Gerard Carter ----- Staten Island, New York

James Leonard Kubacki **Cum Laude** ----- Toledo, OhioGeorge Joseph Saliga **Magna Cum Laude** ----- Whiting, Indiana

APPENDIX II
REGISTER OF STUDENTS 1956-1957

ADAMS, James R.	Chicago, Illinois
ADAMS, Richard L.	St. Louis, Missouri
ADDISON, Theodore J.	Jackson, Michigan
ADLER, Thomas M.	Chicago, Illinois
AGO, Edward J.	Chicago, Illinois
ALESIA, Henry A.	Chicago, Illinois
ALLAGREE, Harry R.	Dayton, Ohio
ALLEN, Thomas F.	Ann Arbor, Michigan
ALLWEIN, Donald E.	Lebanon, Pennsylvania
ALTER, Thomas O.	Fort Wayne, Indiana
ALTSTADT, Gerald J.	Evansville, Indiana
AMOND, Edward F.	Culver, Indiana
ANDORFER, Byron W.	Fort Wayne, Indiana
ARBUCKLE, Russell H.	Goodland, Indiana
ARCE, Michael E.	Royal Oak, Michigan
ARCHER, James W.	Twin Branch, West Virginia
ARDINI, Peter L.	Ionia, Michigan
ARMON, Joseph E.	Chicago, Illinois
AUER, Robert L.	Oak Park, Illinois
BADOS, Ronald S.	Hammond, Indiana
BAILEY, Roy L.	Griffith, Indiana
BAK, Henry B.	Chicago, Illinois
BAK, Joseph M.	Chicago, Illinois
BAKER, Edward J.	Markle, Indiana
BAKER, Robert J.	Jackson, Michigan
BAKLE, Robert F.	Fort Wayne, Indiana
BALAS, Bernard A.	Gary, Indiana
BALDIN, Anthony F.	Hammond, Indiana
BALDIN, Joseph J.	Hammond, Indiana
BALICE, Vincent J.	Lakewood, Ohio
BALOUSEK, Ronald R.	Huntington Woods, Michigan
BANARY, Raymond J.	North Judson, Indiana
BANKS, Kenneth J.	Fowler, Indiana
BARSOTTI, Aldo F.	Chicago, Illinois
BARTEMES, David W.	Charleston, West Virginia
BASSETTI, Louis C.	Chicago, Illinois
BATEMAN, Michael G.	Danville, Illinois
BATES, Kenneth M.	Chicago, Illinois
BATIE, Clarence M.	Indianapolis, Indiana
BAUER, David C.	Huntington, West Virginia
BAUER, Frederick J.	Monterey, Indiana
BAUMANN, Lawrence L.	Peoria, Illinois
BEAUDOIN, James O.	Owosso, Michigan
BECKER, Alfred J.	Akron, Ohio
BECKER, William R.	Fort Wayne, Indiana
BEHNKE, Richard C.	Battle Creek, Michigan
BELAND, Bernard R.	Benton Harbor, Michigan
BELLUCCI, John B.	Chicago, Illinois
BENA, Martin J.	Waukegan, Illinois
BENCZE, Stephen F.	East Chicago, Indiana
BENDIS, Theodore S.	Whiting, Indiana

BENTSON, John R.	Joliet, Illinois
BERGIN, Terence E.	Chicago, Illinois
BIAN, John W.	Elmhurst, Illinois
BIANUCCI, Alfred P.	Cicero, Illinois
BIEDAKIEWICZ, Ronald M.	Chicago, Illinois
BIEL, John M.	Whiting, Indiana
BIEL, Joseph G.	Whiting, Indiana
BIEL, Thomas J.	Whiting, Indiana
BIENIASZ, Theophilus F.	Chicago, Illinois
BISHOP, John H.	Chicago, Illinois
BISHUP, Bernard W.	Joliet, Illinois
BLACKLIDGE, Martin H.	Rensselaer, Indiana
BLAHUNKA, Stephen P.	Whiting, Indiana
BLANZY, James J.	Berkley, Michigan
BLEAKLEY, William M.	West Lafayette, Indiana
BLLENKE, Frank J.	Denham, Indiana
BOCKRATH, Melvin L.	Ottawa, Ohio
BODNEY, Richard J.	Whiting, Indiana
BOGNER, Kenneth R.	Hammond, Indiana
BOHANEK, Robert W.	Chicago, Illinois
BORGE, George F.	La Grange Park, Illinois
BORGRA, Joseph A.	Joliet, Illinois
BORNHOFEN, Fred A.	Des Plaines, Illinois
BORTOLAMI, Victor A.	Chicago, Illinois
BORYS, Marcel J.	Chicago, Illinois
BOSCH, Henry W.	Linton, North Dakota
BOSCH, Jerome J.	Chicago, Illinois
BOWMAN, Richard S.	Remington, Indiana
BOYCE, Walter R.	Lafayette, Indiana
BOYLSO, Larry J.	Tuscola, Illinois
BRADY, Matthew J.	New Augusta, Indiana
BRADY, Thomas L.	Dodge City, Kansas
BRAND, Robert J.	Berwyn, Illinois
BRAY, Charles P.	Saginaw, Michigan
BRAYER, Michael N.	Fort Wayne, Indiana
BREMAN, Joseph A.	Fort Wayne, Indiana
BRENNAN, John T.	Berea, Ohio
BRINKMAN, William N.	Dayton, Ohio
BROWN, Kenneth A.	Chicago, Illinois
BROWN, Roland H.	Chicago, Illinois
BRUDENELL, Gerald R.	Villa Park, Illinois
BRUNGARDT, Joseph B.	Salina, Kansas
BUCKLER, Edward F.	Louisville, Kentucky
BUCKLEY, Donald T.	Augusta, Georgia
BUEHLER, John L.	Anna, Ohio
BUGAJSKI, Richard S.	Chicago, Illinois
BURIAN, Robert J.	Chicago, Illinois
BURKE, Francis P.	Evansville, Indiana
BURKE, John R.	Evansville, Indiana
BURKHARDT, Paul G.	New Baltimore, Michigan
BURKHARDT, William H.	New Baltimore, Michigan
BURNS, Richard L.	Goodland, Indiana
BURTON, Gerald J.	Appleton, Wisconsin
BURTON, Thomas J.	Chicago, Illinois

BUSCH, Thomas W. -----	Cleveland, Ohio
BUTLER, Patrick L. -----	Forest Park, Illinois
BYRNE, Gerald E. -----	Chicago, Illinois
BYRNES, Edward J. -----	Chicago, Illinois
BYRNES, John M. -----	Midlothian, Illinois
CABALA, Anthony J. -----	Calumet City, Illinois
CABALA, Henry P. -----	Calumet City, Illinois
CALDERONE, Anthony M. -----	Battle Creek, Michigan
CALIGUIRE, Thomas S. -----	Lincoln Park, Michigan
CANNON, John M. -----	Chicago, Illinois
CAPPUCCILLI, Ralph M. -----	Collegeville, Indiana
CAREY, David R. -----	Joliet, Illinois
CAREY, John J. -----	Ann Arbor, Michigan
CARIE, Larry P. -----	Vincennes, Indiana
CARLSON, Joel A. -----	Muskegon Heights, Michigan
CARPENTER, Thomas D. -----	East Gary, Indiana
CARROLL, Catherine L. -----	Brook, Indiana
CARTER, John G. -----	Staten Island, New York
CASEY, Daniel F. -----	Knox, Indiana
CASEY, Melvern M. -----	Chicago, Illinois
CASSIN, Dave E. -----	Oak Park, Illinois
CASWELL, James C. -----	Ionia, Michigan
CAVANAUGH, Thomas M. -----	Lansing, Michigan
CEBULSKI, Donald E. -----	Chicago, Illinois
CELLA, George A. -----	Oak Park, Illinois
CHALMERS, Thomas J. -----	Chicago, Illinois
CHEVIGNY, Julius J. -----	Gary, Indiana
CHRISTEN, John C. -----	Villa Park, Illinois
CHRISTEN, Robert E. -----	Fort Wayne, Indiana
CHRISTOFF, Jim T. -----	Toronto, Ontario, Canada
CHRUSTOWSKI, Joseph J. -----	Whiting, Indiana
CLARKE, James E. -----	Rensselaer, Indiana
CLAUSEN, Glenn R. -----	Chicago, Illinois
CLIFFORD, John F. -----	Chicago, Illinois
CLINE, William W. -----	Brook, Indiana
CLINES, John F. -----	Jeffersonville, Indiana
CLUNE, Joseph A. -----	Gary, Indiana
COCHRAN, John R. -----	Gary, Indiana
COLE, Ronald L. -----	Elwood, Indiana
COMPANIK, William A. -----	Whiting, Indiana
CONLEY, Robert M. -----	Whiting, Indiana
CONNOR, Paul C. -----	Winthrop, Massachusetts
CONROY, John E. -----	Chicago, Illinois
COOMBES, John L. -----	Willow Springs, Illinois
COOPER, Charles B. -----	Louisville, Kentucky
COOPER, Dean C. -----	Kankakee, Illinois
CORDES, Albert K. -----	Earl Park, Indiana
COTE, Richard A. -----	Manchester, New Hampshire
COUGHLIN, Charles P. -----	Cabin Creek, West Virginia
COURTNEY, Richard L. -----	Kankakee, Illinois
COVER, George T. -----	Rensselaer, Indiana
COVER, Viola -----	Rensselaer, Indiana
COX, Edward A. -----	River Forest, Illinois
CRACKEL, John E. -----	Owosso, Michigan

CROSSE, Michael R.	Chicago, Illinois
CROSSLEY, Richard J.	Woodhaven, New York
CURRY, Donald R.	Chicago, Illinois
CUSICK, Thomas A.	Detroit, Michigan
CYRIER, Richard T.	Chicago, Illinois
DAIGLE, Nobert W.	Somersworth, New Hampshire
DALY, William H.	Chicago, Illinois
DANIELS, David A.	South Bend, Indiana
DANKO, Paul J.	Gary, Indiana
DATTOMO, Angelo R.	Cincinnati, Ohio
DAUMEYER, George J.	Greenhills, Ohio
DAVOUST, Clark E.	Chicago, Illinois
DAWALT, Frederick W.	Marion, Indiana
DAWSON, Francis	Akron, Ohio
DAY, Roy J.	Chicago, Illinois
DEAHL, James E.	Fort Wayne, Indiana
DeBOLT, Thomas E.	Decatur, Indiana
DeCLERCQ, Thomas E.	Royal Oak, Michigan
DEEGAN, James M.	Lakewood, Ohio
DEEM, Thomas H.	Vincennes, Indiana
DEINES, John T.	Junction City, Kansas
DeLAURENTIS, John V.	Chicago Heights, Illinois
DeMINT, Thomas W.	Falls Church, Virginia
DENEAU, Ronald A.	Aroma Park, Illinois
DETERS, Richard A.	Teutopolis, Illinois
DEUTSCHMAN, Donald C.	Crown Point, Indiana
DEVINE, James F.	Sterling, Illinois
DEVLIN, Robert J.	Chicago, Illinois
DeWALD, Edwin K.	Fort Wayne, Indiana
DEWES, Howard J.	Dyer, Indiana
DHOOGHE, Jacque R.	Berwyn, Illinois
DI CONZO, Joseph M.	Rumford, Maine
DIETZEN, Richard C.	Danville, Illinois
DISBROW, Donald R.	Battle Creek, Michigan
DOERHOFF, Melvyn A.	St. Louis, Missouri
DOHERTY, John W.	Chicago, Illinois
DOHERTY, Thomas J.	Chicago, Illinois
DOHR, Ronald I.	Chicago, Illinois
DOLAK, Joseph M.	Whiting, Indiana
DOLAN, Edward F.	Chicago, Illinois
DOMINIK, Carl P.	Chicago, Illinois
DONAHUE, Donald R.	Cullom, Illinois
DONAHUE, Thomas C.	Chicago, Illinois
DONEGAN, Philip R.	Chicago, Illinois
DONG, Howard S. K.	Chicago, Illinois
DONNELLY, Charles E.	Chicago, Illinois
DONOVAN, Timothy J.	Chicago, Illinois
DOORLEY, Mark J.	New Bremen, Ohio
DORAN, James W.	South Bend, Indiana
DORE, Daniel J.	Chicago, Illinois
DOWD, Raymond E.	Chicago, Illinois
DOWLING, Bernard P.	Hammond, Indiana
DOWNES, Thomas J.	Chicago, Illinois
DOYLE, George T.	Cleveland, Ohio
DREA, Arthur S.	Chicago, Illinois

DUFFY, Edward J.	Joliet, Illinois
DULIN, Joseph	Evansville, Indiana
DURHOLT, Lawrence E.	Maumee, Ohio
DYREK, Leroy S.	Chicago, Illinois
EBERHART, Ronald E.	Massillon, Ohio
EDMONDS, Nuel F.	Rensselaer, Indiana
EDWARDS, Ray S.	Chicago, Illinois
EGAN, James A.	Oak Park, Illinois
ELBERT, James S.	Goodland, Indiana
ELENTENY, Raymond B.	Chicago, Illinois
ELLGASS, Leroy M.	Chicago, Illinois
EMGE, Roger C.	Evansville, Indiana
ERICKSON, Arthur J.	Chicago Heights, Illinois
ERNST, Robert A.	Chicago, Illinois
GEBELE, Dennis P.	Coldwater, Ohio
ESPINOS, Ignatius B.	Chicago, Illinois
ESPOSITO, George R.	Akron, Ohio
ESSER, Sr. M. Phyllis	Dayton, Ohio
ETTER, Richard A.	Lafayette, Indiana
EVANS, John R.	Chicago, Illinois
EVERROAD, William H.	Columbus, Indiana
EWRY, John W.	Portland, Indiana
FALOONA, Ronald J.	Chicago, Illinois
FARLEY, Gerald T.	Chicago, Illinois
FARMER, Ralph B.	Kankakee, Illinois
FARRELL, James T.	Rensselaer, Indiana
FAUCHER, Charles A.	Grosse Ile, Michigan
FAULSTICH, Frederick J.	Danville, Illinois
FAYLOR, Timothy M.	Fort Wayne, Indiana
FECH, Edward B.	Whiting, Indiana
FENKER, Daniel E.	Fort Wayne, Indiana
FERGUSON, David P.	Lafayette, Indiana
FERSON, Harry L.	Greenfield, Indiana
FESTLE, Richard R.	Chicago, Illinois
FETTIG, Paul F.	Dayton, Ohio
FILICE, Robert M.	Chicago, Illinois
FINAN, Emmett B.	Chicago, Illinois
FINDLING, Robert L.	Ludington, Michigan
FINGERHUT, Keith A.	North Judson, Indiana
FINNEGAN, John M.	Louisville, Kentucky
FINNEGAN, William P.	Chicago, Illinois
FISCHER, August C.	Lemont, Illinois
FISCHER, Paul A.	Columbia, Pennsylvania
FISHER, Marvin L.	River Grove, Illinois
FITZGERALD, Frank R.	Elmwood Park, Illinois
FITZGERALD, Robert A.	Parma, Ohio
FITZPATRICK, James W.	Chicago, Illinois
FLANAGAN, Joseph P.	Chicago, Illinois
FLASHING, Richard J.	River Grove, Illinois
FLYNN, Richard J.	Chicago, Illinois
FONTANETTA, Michael J.	Chicago, Illinois
FORD, Patrick F.	Chicago, Illinois
FORTIN, Earl J.	Bay City, Michigan
FORTIN, Gerald J.	Saginaw, Michigan
FORTIN, Michael W.	Bay City, Michigan

FORTIN, Roland B.	Manteno, Illinois
FOX, Edward C.	Fond Du Lac, Wisconsin
FOX, John D.	Canton, Ohio
FRANCK, James E.	Henry, Ohio
FRANZ, William H.	Gary, Indiana
FRAWLEY, Jerome E.	Evanston, Illinois
FREEHILL, Thomas M.	Melvin, Illinois
FREELAND, Donald A.	Fowler, Indiana
FREIBURG, Michael C.	Lombard, Illinois
FREY, Ronald G.	Crown Point, Indiana
FRIEDRICH, Gerald J.	South Bend, Indiana
FRUEHE, Thomas F.	Lombard, Illinois
FUS, Dennis A.	Hammond, Indiana
GAGLIANO, James S.	Chicago, Illinois
GALANTI, Leo F.	Chicago, Illinois
GALLAGHER, Kevin B.	Chicago, Illinois
GALLAHER, Robert D.	Chicago, Illinois
GALLO, Richard E.	Berwyn, Illinois
GALVIN, John E.	Paducah, Kentucky
GASIOR, Robert M.	Chicago, Illinois
GATZA, James H.	Flint, Michigan
GAUL, Charles F.	Elmhurst, Illinois
GEBELE, Dennis P.	Coldwater, Ohio
BEBELE, Dennis P.	Coldwater, Ohio
GEFFERT, Thomas J.	Detroit, Michigan
GEHRING, Robert P.	North Judson, Indiana
GEIL, James A.	Chicago, Illinois
GEIMER, Albert C.	Chicago, Illinois
GELINO, Arthur J.	Momence, Illinois
GENGLER, Robert H.	Aurora, Illinois
GERBA, Joseph C.	Whiting, Indiana
GILLIS, John P.	Hammond, Indiana
GIOMETTI, Ronald P.	East Chicago, Indiana
GLADU, Vernon G.	Kankakee, Illinois
GOBERVILLE, Raymond F.	Chicago, Illinois
GOELDI, John J.	Detroit, Michigan
GOGERTY, John D.	Danville, Illinois
GOHEEN, Thomas A.	Huntington, West Virginia
GOLDRICK, Michael R.	Chicago, Illinois
GONTKO, Robert N.	Elmhurst, Illinois
GORMAN, Donald R.	La Grange Park, Illinois
GORZINSKI, Stanley J.	Auburn, Michigan
GRACZYK, Edward J.	Chicago, Illinois
GRAHAM, Donald J.	Goodland, Indiana
GRAHAM, Robert E.	Goodland, Indiana
GRANNAN, William G.	Washington, Indiana
GREGORICH, Joseph E.	Joliet, Illinois
GRENCHIK, Philip J.	Whiting, Indiana
GRONKOWSKI, Richard A.	Chicago, Illinois
GRONTKOWSKI, Ronald E.	South Bend, Indiana
GROSS, James P.	Chicago, Illinois
GROTEMAT, Robert R.	Ludington, Michigan
GROTHOUSE, Gregory C.	Whiting, Indiana
GROW, Claude H.	Rensselaer, Indiana

GUERTIN, Ronald L.	Kankakee, Illinois
GULASSA, Cyril M.	Whiting, Indiana
GULASSA, Joseph F.	Whiting, Indiana
GURGONE, Joseph M.	Chicago, Illinois
HABING, Cletus H.	Teutopolis, Illinois
HAGEARTY II, James C.	Kankakee, Illinois
HAGYE, Richard J.	South Bend, Indiana
HAJEK, James J.	Berwyn, Illinois
HALDORSON, Ralph J.	Coal City, Illinois
HALLORAN, John J.	Chicago, Illinois
HAMMAN, Robert D.	Kentland, Indiana
HAMMER, John W.	Canal Fulton, Ohio
HANCIK, Edward S.	Lakewood, Ohio
HANDLEY, Jerry D.	Rensselaer, Indiana
HANES, Gerald C.	Jackson, Michigan
HANFORD, Verle L.	Momence, Illinois
HANNON, James T.	Chicago, Illinois
HARDIN, Michael A.	Indianapolis, Indiana
HAVERTY, James B.	Chicago, Illinois
HAVERTY, Kevin J.	Chicago, Illinois
HAWKINS, John J.	Evanston, Illinois
HAYES, John J.	Chicago, Illinois
HAYS, James K.	Chicago, Illinois
HEBDA, Edwin T.	Chicago, Illinois
HECKMAN, Daniel J.	Glandorf, Ohio
HEEZEN, Donald C.	Evanston, Illinois
HEEZEN, Robert W.	Evanston, Illinois
HEFFERNAN, James E.	Wilmette, Illinois
HELVIE, James C.	Peru, Indiana
HENDERSON, Peter L.	Chicago, Illinois
HENNESSY, William N.	Chicago, Illinois
HENSLEY, Kevin C.	Munster, Indiana
HENTSCHEL, Gertrude M.	Rensselaer, Indiana
HERAKOVICH, John P.	Whiting, Indiana
HERBER, Lawrence J.	Fort Wayne, Indiana
HERMILLER, James B.	Ottawa, Ohio
HERMILLER, Karin F.	Ottawa, Ohio
HEUER, Donald J.	Chicago, Illinois
HIRSCH, Frank J.	Bloomington, Illinois
HOELSCHER, Sr. M. Gaspar	Dayton, Ohio
HOFFMAN, Thomas C.	Monroe, Michigan
HOFFSWELL, Robert A.	Chicago, Illinois
HOGAN, Patrick W.	Merrill, Michigan
HOLECEK, Arthur B.	Chicago, Illinois
HOLLIHAN, Timothy E.	Marinette, Wisconsin
HOLMAN, Richard J.	Whiting, Indiana
HOLMES, Charles W.	Huntington Woods, Michigan
HOMAN, Lester L.	Chickasaw, Ohio
HOMERDING, Robert F.	Lockport, Illinois
HONIKEL, Lawrence J.	Elmwood Park, Illinois
HOOD, William S.	Indianapolis, Indiana
HORACEK, Bruce J.	Ludington, Michigan
HOY, Daniel J.	Cleveland, Ohio
HUHN, Tom	Fort Wayne, Indiana

HUNT, James E. -----	Bloomington, Illinois
HUNTINE, James M. -----	Fort Wayne, Indiana
HYDE, Joseph P. -----	Indianapolis, Indiana
IANNELLI, Ronald F. -----	Benton Harbor, Michigan
INGERSOLL, Robert C. -----	Berwyn, Illinois
JAEGER, Carl W. -----	Muncie, Indiana
JAKUBICEK, Anthony R. -----	Chicago, Illinois
JAMES, Elisabeth W. -----	Brook, Indiana
JANC, Emil J. -----	Schererville, Indiana
JANCICH, Gregory J. -----	Whiting, Indiana
JANUS, Marvin T. -----	Inkster, Michigan
JENSEN, Robert L. -----	Medaryville, Indiana
JENSEN, Ronald L. -----	Chesterton, Indiana
JIM, Monroe M. -----	Gallup, New Mexico
JOHANN, James J. -----	Akron, Ohio
JOHNSON, Herbert E. -----	Chicago, Illinois
JONES, Thomas C. -----	Kendallville, Indiana
JOYCE, John H. -----	Vincennes, Indiana
JUDY, Donald J. -----	Cicero, Illinois
JUN, James L. -----	Alton, Illinois
JUNG, Daniel C. -----	Highland, Indiana
JURIC, Charles R. -----	Chicago Illinois
JURIK, Paul P. -----	Chicago, Illinois
KADELA, Edward A. -----	Joliet, Illinois
KAFKA, David E. -----	Royal Oak, Michigan
KAHLER, Otto J. -----	Saginaw, Michigan
KAJFEZ, Nil M. -----	Clare, Michigan
KALATA, Edward F. -----	Chicago, Illinois
KANAMUELLER, Joseph M. -----	Chicago, Illinois
KASING, John P. -----	Bellevue, Pennsylvania
KASPEROWICZ, Leonard D. -----	Hamtramck, Michigan
KASSEL, Wayne M. -----	Berwyn, Illinois
KEEFE, Thomas J. -----	Chicago, Illinois
KEILMAN, Jack L. -----	Dyer, Indiana
KELLER, Ronald E. -----	LaPorte, Indiana
KELLIHER, Neal B. -----	Chicago, Illinois
KELLY, James A. -----	Paducah, Kentucky
KELLY, Thomas R. -----	Chicago, Illinois
KILBOURNE, Robert F. -----	Elmhurst, Illinois
KILLOS, Paul J. -----	Gary, Indiana
KINSELLA, John M. -----	Lakewood, Ohio
KINSTLE, Thomas F. -----	Fort Wayne, Indiana
KIRBY, William F. -----	Hartman, Colorado
KLAWITTER, John M. -----	Steger, Illinois
KLEAR, James L. -----	Toledo, Ohio
KLEIN, Anthony J. -----	Chicago, Illinois
KLEIN, Lester J. -----	Lake Village, Indiana
KLIMCAK, John K. -----	Chicago, Illinois
KLOSAK, Andrew J. -----	East Chicago, Indiana
KNAUS, Ronald W. -----	Chicago, Illinois
KNIGHT, Michael E. -----	Schererville, Indiana
KNIGHT, Raymond J. -----	Schererville, Indiana
KNOERZER, Ronald E. -----	Calumet City, Illinois
KNOERZER, Thomas W. -----	Chicago, Illinois

KOBZA, John R.	Gary, Indiana
KOCH, Richard F.	Mt. Prospect, Illinois
KOEHLER, James B.	Madison, Indiana
KOERNER, Martin G.	Joliet, Illinois
KOLACZYK, Edward M.	South Bend, Indiana
KOLISZ, Ronald W.	Hammond, Indiana
KOMINEK, Leo A.	Chicago, Illinois
KOPANDA, Frank A.	East Chicago, Indiana
KORON, Robert W.	Chicago, Illinois
KORON, Ronald P.	Chicago, Illinois
KORTEPETER, Don C.	Indianapolis, Indiana
KOSTYAL, John J.	Gary, Indiana
KOVITCH, Joseph P.	Berwyn, Illinois
KOZLEVCAR, Carl J.	Joliet, Illinois
KRAUSE, Henry J.	Chicago, Illinois
KREINBRINK, Clyde L.	Leipsic, Ohio
KREITZ, Paul B.	Akron, Ohio
KRETZ, Norbert D.	Oak Park, Illinois
KRIETER, Robert C.	Franklin Park, Illinois
KRIZMANIC, Raymond A.	Joliet, Illinois
KRUPA, Francis A.	Cincinnati, Ohio
KRUSE, William F.	Decatur, Indiana
KRUTZLER, Edward A.	Chicago, Illinois
KUBACKI, James L.	Toledo, Ohio
KUBASIEWICZ, Edward P.	Detroit, Michigan
KUN, Louis J.	Fords, New Jersey
KUREK, Arthur J.	Hamilton, Ontario, Canada
KUSH, Arthur J.	South Bend, Indiana
KUZNIAR, Raymond J.	Chicago, Illinois
LABBE, Edward J.	Dover, New Hampshire
LACHNIGHT, Jerome E.	LeRoy, New York
LACKOVIC, Michael J.	Riverside, Illinois
LAIPPLY, Charles T.	Van Wert, Ohio
LAMBKE, James G.	Elmwood Park, Illinois
LAMBKE, Joseph A.	Elmwood Park, Illinois
LAMOTT, Thomas N.	Fort Wayne, Indiana
LANCASTER, Charles E.	Lebanon, Kentucky
LANGE, Frank A.	Cicero, Illinois
LAPADAT, Arthur D.	East Chicago, Indiana
LAREAU, Bernard E.	Beaverville, Illinois
LARGER, Robert J.	Louisville, Kentucky
LAUSCH, Robert A.	Ottawa, Illinois
LAVERY, Patrick R.	Chicago, Illinois
LAWNZAK, Ronald L.	Joliet, Illinois
LAYA, Allen T.	Chicago, Illinois
LAYMAN, Paul E.	Defiance, Ohio
LENEAVE, Samuel J.	Toledo, Ohio
LEONARD, William J.	Monroeville, Indiana
LEVENDOSKI, Joseph H.	Michigan City, Indiana
LEVRI, Fideles	Rural Valley, Pennsylvania
LEWANDOWSKI, Andrew P.	North Judson, Indiana
LEWIS, Thomas F.	Kendallville, Indiana
LEWIS, William L.	Rensselaer, Indiana
LI, Robert C.	Sao Paulo, Brazil

LILEIKIS, Charles A.	Chicago Heights, Illinois
LIM, Young C.	Seoul, Korea
LINDEN, Jack D.	Detroit, Michigan
LINGEN, George W.	Evergreen Park, Illinois
LINSKEY, Patrick M.	Skokie, Illinois
LIPPIE, Robert J.	Whiting, Indiana
LISZKA, Richard J.	Chicago, Illinois
LOESCH, Mathias C.	Fort Wayne, Indiana
LOFTUS, Frank P.	Chicago, Illinois
LOVELL, Leonard F.	Kentland, Indiana
LOZEN, Norman D.	Mount Clemens, Michigan
LUDWA, Charles A.	Markham, Illinois
LUECK, William B.	Appleton, Wisconsin
LUX, George M.	Chicago, Illinois
LYMAN, Daniel J.	Chicago, Illinois
LYNCH, Matthew J.	Chicago, Illinois
LYNCH, Patrick J.	Elkhart, Indiana
McCARTHY, William J.	Chicago, Illinois
McCARTY, Philip A.	Crystal Lake, Illinois
McCLOSKEY, Gilbert J.	Walled Lake, Michigan
McCREA, William J.	Delavan, Illinois
McCUE, Jerome E.	Chicago, Illinois
McCULLOUGH, James R.	Chicago, Illinois
McDERMOTT, Edward P.	Detroit, Michigan
McDONELL, Robert E.	Wheaton, Illinois
McGOWAN, James M.	Paducah, Kentucky
McGROGAN, William J.	South Bend, Indiana
McGRUDER, Ernest E.	Indianapolis, Indiana
McGUIRE, James S.	Fort Wayne, Indiana
McINERNEY, Gerald J.	Chicago, Illinois
McLAUGHLIN, John A.	Center Line, Michigan
McMULLEN, Patrick J.	St. Joseph, Michigan
McNICHOLAS, William J.	Chicago, Illinois
McROBERTS, Max J.	Schneider, Indiana
McSHIRLEY, Miles C.	Fort Wayne, Indiana
MADDEN, Robert E.	Chicago, Illinois
MAHONEY, Gregory J.	Oak Park, Illinois
MAHONEY, Thomas F.	Chicago, Illinois
MALIK, Raymond S.	Cleveland, Ohio
MALONEY, Charles J.	Chicago, Illinois
MANN, David K.	Villa Park, Illinois
MANOS, Joseph P.	Riverdale, Illinois
MANTEL, Erwin J.	Benton Harbor, Michigan
MARIO, John A.	Gary, Indiana
MARIO, Thomas M.	Gary, Indiana
MARKOWSKI, Louis J.	Celina, Ohio
MAROUSEK, Frank G.	Berwyn, Illinois
MARQUART, Richard C.	Fort Wayne, Indiana
MARTIN, Joseph L.	Lafayette, Indiana
MARTIN, Roland F.	DeMotte, Indiana
MARTLINK, Arthur F.	Chicago, Illinois
MASSURA, Edward A.	Chicago, Illinois
MATHEWS, James J.	Cincinnati, Ohio
MATLON, Joe C.	Lansing, Illinois

MATUSEVIC, Felix W.	Chicago, Illinois
MEIER, Leo J.	Fond Du Lac, Wisconsin
MEIER, Richard J.	East Chicago, Indiana
MELONE, George A.	Chicago, Illinois
MESSER, Thomas J.	Chicago, Illinois
METKER, Leroy W.	Fort Wayne, Indiana
METTER, Ronald F.	Mt. Clemens, Michigan
MEYER, Sr. M. Giovanni	Dayton, Ohio
MIHALOV, Grace A.	Whiting, Indiana
MIHALOV, Joseph B.	Whiting, Indiana
MIKULSKI, James M.	Chicago, Illinois
MILLER, Theodore J.	Chicago, Illinois
MILLER, William C.	Fox River Grove, Illinois
MILLER, William R.	Chicago, Illinois
MILLS, Tom A.	Akron, Ohio
MISISCHIA, William W.	Joliet, Illinois
MOBERLY, James W.	Chicago, Illinois
MOHR, Edward M.	Elmhurst, Illinois
MONCZYNSKI, Fred J.	Chicago, Illinois
MONTEMURRO, James A.	Chicago, Illinois
MOORADIAN, Edward D.	Hamilton, Ontario, Canada
MOORE, William W.	Chicago, Illinois
MORTENSEN, Lawrence J.	Chicago, Illinois
MOULTHROP, James S.	DeBois, Pennsylvania
MUELLER, Albert J.	Chicago, Illinois
MUELLER, Philip C.	Chicago, Illinois
MUELLER, Rober E.	St. Louis, Missouri
MULAC, Milan E.	McKeesport, Pennsylvania
MULCAHEY, Francis P.	Alletton, Illinois
MULERA, John H.	Wenona, Illinois
MUNOZ, Gilberto	East Chicago, Indiana
MURPHY, Glenn E.	Chicago, Illinois
MURPHY, James E.	Homewood, Illinois
MURPHY, Michael J.	Winchester, Massachusetts
MURRAY, John M.	Lorain, Ohio
MURRAY, William J.	Cleveland, Ohio
MYERS, Michael D.	Canton, Ohio
NASELLI, Joseph L.	Syracuse, New York
NAWROCKI, Stanley J.	Gary, Indiana
NEAL, William T.	South Bend, Indiana
NEFF, John C.	Akron, Ohio
NELSON, Robert S.	Whiting, Indiana
NEMETH, Oscar E.	North Liberty, Indiana
NEVILLE, David D.	Dwight, Illinois
NEVILLE, William D.	Dwight, Illinois
NEWETT, Robert J.	Berwyn, Illinois
NICCOLAI, Raymond J.	Oak Park, Illinois
NIEMEYER, James E.	Teutopolis, Illinois
NIETZEL, Richard W.	Chicago, Illinois
NOLL, James E.	Fort Wayne, Indiana
NOLL, James W.	Fort Wayne, Indiana
NOMINA, Francis J.	Delphos, Ohio
NOPPER, James C.	Toledo, Ohio
NOVAK, John R.	Chicago, Illinois

NOVELL, Philip M.	Berkley, Michigan
NORRIS, John F.	Chicago, Illinois
O'BRIEN, James A.	Cincinnati, Ohio
O'BRIEN, Robert E.	Chicago, Illinois
OBROCHTA, Walter F.	Chicago, Illinois
O'CONNOR, Daniel J.	Evansville, Indiana
O'CONNOR, Maurice C.	Evansville, Indiana
O'CONNOR, Thomas L.	Kankakee, Illinois
O'DONNELL, Bernard E.	Anderson, Indiana
OEHMKE, Richard W.	St. Clair, Michigan
OEHMKE, Robert C.	St. Clair, Michigan
OEN, Edward J.	St. Marys, Ohio
O'HAGAN,, Terrence J.	Dearborn, Michigan
OLMSTEAD, Vernon E.	Davison Michigan
O'NEILL, Guy P.	Wyandotte, Michigan
O'NEIL, John P.	Joliet, Illinois
O'NEIL, John P.	Goodland, Indiana
OPARA, Patrick U.	Lagos, Nigeria
O'REILLY, Donald L.	Kankakee, Illinois
O'REILLY, Francis J.	Chicago, Illinois
O'REILLY, Francis M.	Kankakee, Illinois
OSBURN, Ronald C.	Lombard, Illinois
PABST, Gerald M.	Chicago, Illinois
PAGE, Thomas F.	Chicago, Illinois
PAJAKOWSKI, Thomas E.	South Bend, Indiana
PALMER, Victor D.	Michigan City, Indiana
PANNITTO, Michael P.	Chicago, Illinois
PAPOI, Harold M.	South Bend, Indiana
PARENT, Gilbert A.	Welland, Ontario, Canada
PARKS, Paul E.	Louisville, Ohio
PASQUIL, Manuel J.	Junction City, Kansas
PASTERZ, Frank J.	Chicago, Illinois
PATTERSON, Patrick E.	Wolcottville, Indiana
PAWLUS, George L.	Chicago, Illinois
PENDER, James P.	Highland Park, Illinois
PEREZ, Jose M.	Caguas, Puerto Rico
PETERS, Thomas J.	Cleveland, Ohio
PETRIN, Gregory J.	Hammond, Indiana
PETUSKEY, John A.	Roselle, New Jersey
PFOHL, Roger L.	Chicago, Illinois
PIERMATTEI, Ronald J.	Villa Park, Illinois
PIRIANO, Joseph M.	Chicago, Illinois
PONIC, Joseph J.	Chicago, Illinois
PONKO, Joseph M.	Chicago, Illinois
POPP, John	East Chicago, Indiana
POTZLER, John C.	Chicago, Illinois
POWERS, James E.	Riverside, Illinois
POWERS, John A.	Chicago, Illinois
POWERS, Mark J.	Chicago, Illinois
POWERS, William E.	Glenview, Illinois
PRODEHL, Richard B.	Joliet, Illinois
PUPLAVA, Robert T.	Whiting, Indiana
QUARTUCH, Joseph S.	Michigan City, Indiana
QUINN, John J.	Chicago, Illinois

RADLOFF, Glenn W.	Munising, Michigan
RAIH, Frederick C.	Marion, Indiana
RAINFORD, James E.	Lake Village, Indiana
RAMIREZ, Raymond R.	Springfield, Illinois
RANLY, Ernest W. (Rev.)	Collegeville, Indiana
RAPP, Robert L.	East St. Louis, Illinois
RASTIQUE, Frank T.	Mt. Clemens, Michigan
REAGAN, Edward L.	Chicago, Illinois
REDELMAN, Roger L.	Kouts, Indiana
REGAN, Donald R.	Chicago, Illinois
REGAN, John A.	Chicago, Illinois
REICHWEIN, Carl A.	Indianapolis, Indiana
REZEK, Richard A.	Berwyn, Illinois
RICKEL, Thomas H.	Anchorville, Michigan
RICKORD, George A.	Chicago, Illinois
RIEDY, James A.	Naperville, Illinois
RIEGLE, William E.	Kentland, Indiana
RIFFE, William B.	Anderson, Indiana
ROBBINS, Harold G.	Milwaukee, Wisconsin
ROBINSON, Clifford F.	Indianapolis, Indiana
ROBINSON, Henry L.	Cicero, Illinois
RODI, Donald R.	Chicago, Illinois
RODI, Ronald H.	Chicago, Illinois
ROGERS, James V.	Oak Park, Illinois
ROGOVICH, Dan L.	Chicago, Illinois
ROHALY, Joseph S.	Chicago, Illinois
ROJEWSKI, John P.	Chicago, Illinois
ROLLISON, William H.	Akron, Ohio
ROMANG, Frank R.	Saudi, Arabia
ROSENKRANZ, Robert W.	Rensselaer, Indiana
ROSINSKI, Martin J.	Calumet City, Illinois
ROSS, Donald R.	Cicero, Illinois
ROSS, Paul S.	New London, Wisconsin
ROSSMANITH, Fred H.	Rensselaer, Indiana
ROSSMANITH, Walter W.	Rensselaer, Indiana
ROWDER, John J.	Oak Park, Illinois
RUHLING, Thomas E.	Elkhart, Indiana
RUPP, Bernard F.	Monroe, Michigan
RUSINA, John J.	Joliet, Illinois
RYAN, Dennis E.	Sandusky, Ohio
RYAN, Martin D.	Wadsworth, Illinois
RYAN, Michael J.	Chicago, Illinois
RYAN, Thomas K.	Tinley Park, Illinois
RZONCA, Robert A.	Chicago, Illinois
SABO, William J.	Pittsburgh, Pennsylvania
SACK, Joseph R.	Adrian, Michigan
SACK, Paul W.	Elmhurst, Illinois
ST. AMOUR, James L.	Chicago, Illinois
ST. PETER, Frank X.	Menominee, Michigan
SALEDA, Marion E.	Ottawa, Illinois
SALERNO, Albert A.	Niles, Ohio
SALERNO, Rosario D.	Chicago, Illinois
SALIGA, George J.	Whiting, Indiana
SATALA, Elmer J.	Polacca, Arizona

SAUBLE, Wesley T.	Westminister, Maryland
SAYERS, Robert B.	Chicago, Illinois
SCALES, John W.	Charleston, West Virginia
SCHADEN, Kenneth E.	Norridge, Illinois
SCHEER, John M.	Chicago, Illinois
SCHERSCHEL, Paul W.	Gary, Indiana
SCHLESSER, James A.	River Grove, Illinois
SCHMIDT, Lawrence L.	Northbrook, Illinois
SCHMIDT, Paul F.	Culver, Indiana
SCHMIDT, William L.	Lemont, Illinois
SCHNEIDER, Ralph J.	Bellevue, Ohio
SCHOLZ, Richard F.	West Allis, Wisconsin
SCHROEDER, Kenneth J.	Ottawa, Ohio
SCHULER, Ronald F.	Batavia, Illinois
SCHULER, William J.	Cary, Illinois
SCHULTEIS, Oliver W.	Germantown, Wisconsin
SCHUMACHER, Peter L.	South Bend, Indiana
SCHUMANN, Herbert H.	Defiance, Arizona
SCOTT, Robert M.	Chicago, Illinois
SCOTT, Roger J.	Chicago, Illinois
SCROGGINS, William F.	Kankakee, Illinois
SELINGER, Jerome J.	Hamilton, Ontario, Canada
SEMANCIK, JEROME D.	Whiting, Indiana
SHANAHAN, Dennis A.	Chicago, Illinois
SHANDONAY, Thomas J.	Appleton, Wisconsin
SHEAHAN, John T.	Chicago, Illinois
SHELDON, John W.	Rensselaer, Indiana
SHERWOOD, George A.	Long Beach, California
SHONKWILER, Darrell C.	Manteno, Illinois
SHUHET, Raymond M.	Hamilton, Ontario, Canada
SICLAIR, Lawrence R.	Galion, Ohio
SIDOR, Donald J.	Chicago, Illinois
SIERAKOWSKI, Frederick D.	Chicago, Illinois
SIMON, Peter F.	Elmhurst, Illinois
SINCLAIR, Lavern R.	Fort Dodge, Iowa
SKEHAN, Michael P.	Anderson, Indiana
SKORUPA, Robert F.	Lansing, Illinois
SKURKIS, Albert R.	Cicero, Indiana
SLADESKI, Peter E.	Newburgh, New York
SMAT, Robert J.	Chicago, Illinois
SMITH, Anthony M.	Lakewood, Ohio
SMITH, Cosmas E.	Crown Point, Indiana
SMITH, Richard J.	Gary, Indiana
SMITH, Robert E.	Chicago, Illinois
SMITH, Robert O.	Fort Wayne, Indiana
SNYDER, Roger D.	Flint, Michigan
SOBOTA, James J.	Hammond, Indiana
SOCHA, Frank E.	Chicago, Illinois
SORG, Thomas J.	Fort Wayne, Indiana
SPAIN, James E.	Chicago, Illinois
SPICER, Richard O.	Berkley, Michigan
SRODE, Bernard J.	Dayton, Ohio
STACHON, Robert E.	South Bend, Indiana
STACK, Gary P.	Elmwood Park, Illinois

STAGER, David H.	Cleveland, Ohio
STANG, Thomas E.	Dayton, Ohio
STAPLETON, Edward F.	Hinsdale, Illinois
STAPLETON, Thomas M.	New Baltimore, Michigan
STARK, Lawrence J.	Chicago, Illinois
STARSHAK, Edward J.	Lombard, Illinois
STATION, James E.	Flossmoor, Illinois
STAZY, Donald F.	Chicago, Illinois
STECHSCHULTE, Gerald J.	Kalida, Ohio
STEINKE, Carvel R.	Wapakoneta, Ohio
STELZER, Kenneth A.	Celina, Ohio
STEWART, Philip J.	Peoria, Illinois
STEWART, Robert J.	Chicago, Illinois
STRABAVY, Raymond J.	Whiting, Indiana
STRAZA, Donald S.	Chicago, Illinois
STRENK, James J.	Chicago, Illinois
STREZO, Frank A.	East Chicago, Illinois
STRYCK, Aloysius T.	Chicago, Illinois
STUBER, John T.	Mingo Junction, Ohio
STUCKER, Paul J.	Chicago, Illinois
STUCKER, Thomas B.	Chicago, Illinois
STUKENBORG, Bernard A.	Donaldson, Indiana
STUKENBORG, Henry A.	Donaldson, Indiana
SUBERLAK Donald L.	Three Oaks, Michigan
SULLIVAN, Robert W.	Anderson, Indiana
SULLIVAN, Timothy J.	Coraopolis, Pennsylvania
SUMMERSELL, William H.	Philadelphia, Pennsylvania
SUTTER, Richard P.	Strongsville, Ohio
SUTTON, William G.	Huntington, Indiana
SWANSON, Roy J.	Grayslake, Illinois
SWANSTON, William J.	Chicago, Illinois
SWEENEY, Frank M.	Chicago, Illinois
SWIERKOWSKI, Paul J.	Chicago, Illinois
SWIERZYNSKI, Daniel J.	Chicago, Illinois
SZMANSKI, Frank X.	Chicago, Illinois
TANN, Robert D.	Hamilton, Ohio
TARDIF, Joseph A.	River Rouge, Michigan
TEGTMEYER, James O.	Pekin, Illinois
TEMPLE, Paul E.	Toledo, Ohio
TENNANT, Raymond W.	Joliet, Illinois
THIEL, Richard J.	Detroit, Michigan
THOBE, Urban A.	Dayton, Ohio
THOMAS, Roger P.	Detroit, Michigan
THOMAS, Theodore	Hammond, Indiana
THORPE, Dave P.	Chicago, Illinois
THURESON, James H.	Miami, Florida
THYFAULT, Gary F.	Momence, Illinois
TIERNEY, Michael J.	Chicago, Illinois
TILTON, John C.	Rensselaer, Indiana
TITE Ralph W.	Chicago, Illinois
TOBIN, John A.	Oak Lawn, Illinois
TOBIN, Richard W.	Chicago, Illinois
TODD, Donald A.	Fort Wayne, Indiana
TOMASZEWSKI, Edwin L.	Chicago, Illinois
TOMLIN, Ralph J.	Peoria, Illinois

TONELLI, Arthur L.	Joliet, Illinois
TOVSEN, Ronald L.	Gary, Indiana
TROESTER, James D.	Saginaw, Michigan
TROHA, George P.	Lockport, Illinois
TROTTER, James E.	Chicago, Illinois
TRYZNA, Joseph J.	Chicago, Illinois
TUESCHER, Edward W.	Huntington Woods, Michigan
TUMBARELLO, Athony F.	Chicago, Illinois
TUNNEY, Eugene P.	Chicago, Illinois
UECKER, Thomas J.	Fort Wayne, Indiana
UNGER, Frank J.	Chicago, Illinois
URBAN, Irwin S.	Kalamazoo, Michigan
URBAN, James B.	Monticello, Indiana
URBAN, Ronald F.	Chicago, Illinois
VALENCIK, Robert J.	Whiting, Indiana
VALENTE, Edwin F.	Chicago, Illinois
VALENTE, Irving J.	Chicago, Illinois
VALLIN, Richard T.	Racine, Wisconsin
VANDER LEY, John W.	Chicago, Illinois
VERDEYEN, David L.	Gary, Indiana
VIETZEN, Charles R.	Oak Park, Illinois
VITALE, Paul N.	Hope, Indiana
VLAHA, Richard E.	Berwyn, Illinois
VO, Huan G.	Saigon, Vietnam
VOGLEWEDE, Charles J.	Decatur, Indiana
VOGRIN, Joseph A.	Joliet, Illinois
VOMISH, Richard C.	Hammond, Indiana
VONDERWELL, Cletus M.	Delphos, Ohio
VONDERWELL, Ivo G.	Delphos, Ohio
VOSS, Henry H.	Homewood, Illinois
VRDOLYAK, Edward R.	Chicago, Illinois
VYHNAL, Richard F.	Elmhurst, Illinois
WABER, Daniel R.	Chicago, Illinois
WADDICK, Robert F.	Chicago, Illinois
WALKER, Gerald F.	Evergreen Park, Illinois
WALKER, James E.	Kentland, Indiana
WALL, Gerald J.	Chicago, Illinois
WALSH, John M.	Chicago, Illinois
WALSH, Thomas J.	Jackson, Michigan
WALSH, William J.	Chicago, Illinois
WALTER, Elmar A.	Cleveland, Ohio
WALTERS, William R.	Hammond, Indiana
WARD, Robert E.	Chicago, Illinois
WARD, Theodore L.	Rensselaer, Indiana
WARNER, Peter O.	Elgin, Illinois
WATSON, Joseph M.	Philadelphia, Pennsylvania
WEBER, Maurice G.	St. Joseph, Michigan
WEBER, Thomas C.	Ottoville, Ohio
WEIDNER, Thomas E.	Dayton, Ohio
WEILAND, Ronald R.	Evergreen Park, Illinois
WEISHAAR, Donald L.	Brook, Indiana
WELLS, James E.	Fort Lauderdale, Florida
WERR, Charles S.	Chicago, Illinois
WESTCOTT, Randall J.	Jackson, Michigan
WESTERMAN, James R.	Calgary, Alberta, Canada

WETMORE, Terrence O.	Fort Wayne, Indiana
WHALEN, John M.	Chicago, Illinois
WHITE, George F.	Brook, Indiana
WHITE, John J.	Chicago, Illinois
WHITE, Stephen A.	Marion, Indiana
WIBLE, Eugene F.	Canton, Ohio
WILLIAMS, Gene R.	Chicago, Illinois
WILLIAMS, Robert A.	Indianapolis, Indiana
WILLISTON, John D.	Reedsville, West Virginia
WILLY, Dean A.	Camden, Indiana
WILMS, John M.	Elmwood Park, Illinois
WILSON, Charles E.	Indianapolis, Indiana
WILZ, Jacob G.	Washington, Indiana
WINANS, Richard K.	Joliet, Illinois
WINDOM, Edward L.	Galesburg, Illinois
WINNER, Floyd C.	Fort Laramie, Ohio
WITTRY, Frank J.	Aurora, Illinois
WOJCIECHOWSKI, Eugene F.	Chicago, Illinois
WOLF, John R.	Logansport, Indiana
WOLFE, William P.	Elmhurst, Illinois
WOLFRAM, Charles B.	LaGrange, Illinois
WONDERLY, Joseph W.	Huntington, Indiana
WOZNIAK, Larry V.	Chicago, Illinois
YENGICH, Nick R.	Whiting, Indiana
YEOMAN, Ruth M.	Rensselaer, Indiana
ZACH, Ronald R.	Evergreen Park, Illinois
ZAK, Charles R.	Chicago, Illinois
ZEISEL, Leo A.	Chicago, Illinois
ZYCK, Donald J.	Chicago, Illinois
ZYGMUNT, Ronald A.	Hammond, Indiana

GEOGRAPHICAL DISTRIBUTION OF STUDENTS

Arizona	2	New Jersey	2
California	1	New Mexico	1
Colorado	1	New York	5
Florida	2	North Dakota	1
Georgia	1	Ohio	80
Illinois	407	Pennsylvania	10
Indiana	236	West Virginia	7
Iowa	1	Wisconsin	11
Kansas	3	Arabia	1
Kentucky	8	Brazil	1
Maine	1	Canada	7
Maryland	1	Korea	1
Massachusetts	2	Nigeria	1
Michigan	77	Puerto Rico	1
Missouri	3	Vietnam	1
New Hampshire	8		
		TOTAL	879

APPENDIX III.

ALUMNI ASSOCIATION

Organized June 17, 1896, after the charter class of 1891 was graduated, the Alumni Association of Saint Joseph's College was established to foster the ties of friendship and cooperation that develop during student days. Membership is not limited to graduates; any former student who leaves in good standing automatically becomes an alumnus. The national secretary publishes a monthly bulletin, significantly named **Contact**, which is mailed to all members of the association. Alumni are invited to "open house" each year on the first convenient week-end after commencement, special invitations going out to classes commemorating respectively the fifth, tenth, fifteenth, twentieth, and twenty-fifth anniversary of their commencement day. The homecoming football game in the autumn is followed by a dance.

GIFTS AND BEQUESTS

Gifts and bequests of money, securities or real estate are gratefully received by Saint Joseph's College. Many additions have thus been made to the resources of the institution.

To serve the College in this way it is not necessary to make a large bequest. There are doubtless many who without injury to family or other interests could bequeath \$500, \$1,000, or \$5,000; and some who might bequeath a much larger sum.

Unless other use is specified, it is the general policy of the institution to designate funds so given as a part of the permanent endowment of the institution.

In order to be valid in most states, a will must be signed by the testator in the presence of at least two disinterested witnesses who should attest the instrument as such witnesses.

FORM OF GENERAL BEQUEST

I hereby give and bequeath to the Board of Control of Saint Joseph's College, situated at Collegeville, Indiana, and to their successors forever, for the use of said institution in fulfillment of its general corporate purposes. (State here the sum of money which you desire to give, or describe the property or securities constituting the bequest.)

ANNUITIES

Anyone desiring to further the education of Catholic youth and the progress of training under Catholic auspices through the annuity plan may secure detailed information concerning the plan sponsored by Saint Joseph's College by writing to the **Very Reverend President, Collegeville, Indiana.**

INDEX

- Absence, leave of, 29
Absence, excusable, 41
Absences, penalties for, 41-42
Accounting, courses in, 109-113
Accreditation, 2
Activities, student:
 Athletics, 23
 Clubs, 26-27
 Dramatics, 26, 75-76
 Music, 21, 27, 74-75
 Organizations, 26-27
 Publications, 27
 Religious, 23, 27
 Student Council, 26
Administration, officers of, 8
Admission, procedures for, 37-42
Agriculture, program in, 90
Aims and Purpose, 15-16
Alumni Association, 168
Annuities, 168
Associates in Teacher Education, 14
Athletics and Recreation, 23, 46
Athletics, eligibility for, 46
Attendance, chapel, 23
Attendance, class, 40-42
Auditing, 43-44
Automobile, use of, 30
Awards, academic, 46-47

Band, college, 27, 73
Bank, student, 32
Bequests, 168
Biology, courses in, 79-82
Board of Control, 7
Books and supplies, 32
Buildings and equipment, 18-21
Business, courses in, 113-117

Cafeteria, 18
Calendar, College, 6
Campus and Buildings, 18-21
Catholic Action, 27
Chapel, College, 18
Chemistry, courses in, 82-86
Choir, College, 27
Class Attendance, 40-42
Class load, student, 40
Class schedule, 39
Classification of students, 46
Clubs, student, 26-27
College Community Association, 20
Comprehensive Examinations, 49
Correspondence, (Courses), 48
Council, student, 26
Counselor, faculty, 22, 28, 39
Credit by Examination, 43
Curriculum, organization of, 50-52
Cut system, 40-42

Day students, 29
Dean's List, 45
Degree in absentia, 48
Degrees offered, 54
Degrees, requirements for, 48-52
Directory
Disciplinary regulations, 28-30
Dismissal for scholastic deficiency, 45
Divisions of Instruction, 53
Dramatics, 26, 75-76

Economics, courses in, 117-120
Education, courses in, 133-142
Eligibility, athletic, 46
Employment, student, 30, 36
Engineering, courses in, 87-98
English, courses in, 65-68
Entrance, requirements, 37
Expenses, student, 31-32
Extension and Summer Session, 2

Faculty and staff, 8-13
Fees, student, 31-32
Financial aid, 33-36
Financial regulations, 32
Foreign language requirements, 51, 64, 69, 78, 84
French, courses in, 72
Freshman orientation, 22

General Culture Test, 22, 49
General Education, 15-16, 50-52
Geology, courses in, 99-102
Geographical Distributions, 167
German, courses in, 73
G.I. Bill of Rights, 24
Grade reports, 44
Grading system, 44
Graduate Record Examination, 22, 49
Graduates—June 1956, 147-149
Graduates—January 1957, 150
Graduation, requirements for, 48-52
Graduation with honors, 48
Greek, courses in, 68
Group Majors:
 Biology-Chemistry, 80
 English-Journalism, 69, 71
 Mathematics-Physics, 77, 103
Guidance, student, 22-23, 28

Health, service, 18, 23, 29
History, courses in, 120-123
History of the College, 17
Honorable dismissal, 42
Honors Seminar, 48
Honors, students, 45, 48
Humanities, courses in, 63-65

-
- Index, scholastic, 44
 - Infirmary, service, 29, 31
 - Instruction, Departments of, 53
 - Journalism, courses in, 69-71
 - Laboratories, science, 20-21
 - Language requirements, 64, 69, 78, 84
 - Late registration, 31-32, 39
 - Latin, courses in, 69
 - Laundry, service, 29
 - Lay Trustees, Board of, 7
 - Leave of absence, 29
 - Library, College, 19
 - Loan fund, student, 36
 - Lower-level requirements, 50-51
 - Major sequence, 52
 - Majors, offered, 54
 - Marketing, courses in, 113-117, 115
 - Mathematics, courses in 102-106
 - Military service, 24
 - Minor sequence, 52
 - Minors, offered, 54
 - Music, Conservatory, 21
 - Music, courses in, 74-75
 - Music, Department, 21
 - Natural Sciences, divisional courses, 78
 - Orientation for new students, 22
 - Payment of accounts, 32, 42
 - Philosophy, courses in, 59-62
 - Philosophy requirements, 48, 59-62
 - Physical Education, courses in, 143-146
 - Physics, courses in, 106-107
 - Placement bureau, 25
 - Placement tests, 22
 - Politics, courses in, 124-127
 - Pre-Legal program, 117
 - Pre-medical program, 78-82
 - Pre-theology program, 55
 - Probation, scholastic, 45
 - Publications, student, 27, 19
 - Purpose and aims, 15-16
 - Quality points, 44, 49
 - Reading and Study Clinic, 22
 - Recreational facilities, 19, 24
 - Refund policy, 32
 - Register of students, 1956-1957, 151-167
 - Registration procedure, 39
 - Regulations:
 - Disciplinary, 28-30
 - Financial, 32
 - Scholastic, 37-47
 - Religion, courses in, 55-58
 - Religious exercises, 17, 23, 27
 - Requirements:
 - Entrance, 37
 - General Education, 50-52
 - Graduation, 48-52
 - Language, 68, 69, 72, 73, 74
 - Lower-level courses, 50-51
 - Philosophy, 48, 59-62
 - Religion, 51, 52, 55
 - Residence, 48
 - Teacher's certificates, 133-138
 - Upper-level courses, 51-52
 - Research, 21
 - Retreat, students, 23
 - Schedule of classes, 39-40
 - Scholarships, 34-35
 - Scholastic Index, 44
 - Science, laboratories, 20, 21
 - Social sciences, divisional courses in, 109
 - Sociology, courses in, 128-131
 - Society of the Precious Blood, 1, 6
 - Spanish, courses in, 73-74
 - Special examinations, 22, 33-35, 38
 - Speech, courses in, 75-76
 - Student:
 - Aid, 33-36
 - Bank, 32
 - Discipline, 28-30
 - Employment, 30, 36
 - Expenses, 31-32
 - Guidance, 22-23, 28
 - Handbook, 28
 - Health, 23, 29
 - Loan fund, 36
 - Organizations, 26-27
 - Personnel services, 22-25
 - Placement, 25
 - Publications, 27
 - Retreat, 23
 - Rooms, 29
 - Union, 26
 - Wardrobe, 29
 - Study and Reading Clinic, 22
 - Summer Session and Extension, 2
 - Teacher Training Program:
 - Elementary education, 133-136
 - Secondary Education, 136-142
 - Physical Education, 143-146
 - Testing Program, 22, 37, 49
 - Theology, courses in, 55
 - Tuition charges, 31
 - Upper-level courses, 51-52
 - Union, students, 26
 - Veterans, 24
 - Vocational guidance, 22, 25
 - Vocational Rehabilitation, 36
 - Wardrobe, student's, 29
 - Withdrawal from college, 42
 - Withdrawal from course, 42

DIRECTORY

Rensselaer, a city of five thousand, is situated in northwestern Indiana. On the Monon Route (Chicago, Indianapolis, and Louisville Railway), it is 73 miles southeast of Chicago, 50 miles southeast of Hammond, Indiana. Approached from the south, it is 110 miles northwest of Indianapolis, and 47 miles northwest of Lafayette. East and west railway lines connect with the Monon at various points—Chicago, Hammond, Lafayette, Delphi, Frankfort and Indianapolis.

Saint Joseph's College (Collegeville) lies just outside the city's southern limits. Taxi service is available from the Rensselaer depot. Indiana State Highway 53 (U.S. 231) one of the main routes connecting Chicago and Indianapolis, passes through the College grounds. The Indiana Motor Bus Company, operating between Cincinnati and Chicago, uses Route 53 and will take on and let off passengers at Collegeville.

Mail: Saint Joseph's College, Collegeville, Indiana.

*Telephone: Rensselaer, Indiana, 800.

Telegraph: Saint Joseph's College, Rensselaer, Indiana.

Express, Freight, and Baggage: Saint Joseph's College, Rensselaer, Indiana.

*TELEPHONE CALLS

The College telephone switchboard is open from 8:00 A.M. until 10:00 P.M. each day during the school year. During vacation periods it is open from 8:00 A.M. until 9:00 P.M.

During these hours incoming calls to college students (except to those living in Scharf, White, and Washburn) should be made through the College switchboard (Rensselaer 800).

From 10:00 P.M. until 8:00 A.M. calls should be made directly to the pay phone in the hall in which the student lives. Each student should give members of his immediate family the number of his hall pay phone.

The following are the numbers of hall pay phones on which incoming calls should be received after 10:00 P.M.

Adm. Bldg.	Rensselaer LD 8	Merlini	Rensselaer LD 11 W
Bennett	" LD 814	Noll	" LD 813
Drexel	" LD 7	East Seifert	" LD 11 R
Gaspar	" LD 13	West Seifert	" LD 12

Calls to students in the following halls should be made directly to the hall at all times:

Scharf	Rensselaer 3026 M
White	" 3026 W
Washburn	" LD 812

Since Science Dorm will be discontinued as soon as the two new residence halls have been erected no pay phone has been installed there.

